

**STATE - LPA**  
**PROFESSIONAL SERVICES, LPA STAFF**  
**CONSTRUCTION ENGINEERING SERVICES**

CITY OF LINCOLN  
NEBRASKA DEPARTMENT OF ROADS  
PROJECT NO. LCLC-5241(5)  
CONTROL NO. 13141  
SOUTH 56<sup>TH</sup> STREET – SHADOW PINES TO OLD CHENEY

THIS AGREEMENT, made and entered into by and between the City of Lincoln, Nebraska, hereinafter referred to as the "LPA", and the State of Nebraska, Department of Roads, hereinafter referred to as the "State", and collectively referred to as the "Parties".

WITNESSETH:

WHEREAS, LPA has completed or is in the process of completing plans, special provisions, and standard specifications for the letting and construction of a federal-aid transportation related construction project, and

WHEREAS, the LPA and State have entered into Program Agreement, BL1179, for the above named project executed by the LPA on February 2, 2011 and executed by the State on February 25, 2011, and

WHEREAS, the LPA's federal-aid project is designated as Project No. LCLC-5241(5), and

WHEREAS, the project identified above is solely the responsibility of the LPA; the State's involvement in this project is for the sole purpose of acting as the representative of the Federal Highway Administration (FHWA) for eligibility of the project for federal funding;

WHEREAS, the LPA desires to use its own staff to perform the necessary professional construction engineering services for this project, and

WHEREAS, the LPA desires to be reimbursed for this work from Federal funds made available for this project, and

WHEREAS, the LPA staff is properly qualified to complete this work and has met all applicable requirements of the Nebraska Board of Engineers and Architects to provide professional services for this project, and

WHEREAS, LPA is willing to perform the services in accordance with the terms hereinafter provided, agrees to comply with all federal, state, and local laws and ordinances applicable to this agreement, and agrees to comply with all applicable federal-aid transportation project related program requirements, so that LPA's project will be fully eligible for federal reimbursement, and

WHEREAS, the State is willing to reimburse LPA for its work under this Agreement with federal funds so long as the LPA meets all applicable federal and state federal-aid reimbursement laws and requirements, and

WHEREAS, the State has let or will let a construction contract for the project on behalf of the LPA, and

WHEREAS, the Parties intend that the services also be completed in accordance with the terms and conditions of the Nebraska LPA Guidelines Manual for Federal Aid Projects; hereinafter referred to as LPA Manual, and

WHEREAS, the LPA is required to use the State provided construction recordkeeping system (Trans•Port Site Manager), for the Services provided under this agreement.

NOW THEREFORE, in consideration of these facts, the Parties hereto agree as follows:

#### SECTION 1. DEFINITIONS

WHEREVER in this agreement the following terms are used, they shall have the following meaning:

"LPA" means the City of Lincoln, Nebraska and any employees thereof, whose business and mailing address is 555 South 10<sup>th</sup> Street, Lincoln, Nebraska, 68508, and

"LPA MANUAL" shall mean the Nebraska Department of Roads' LPA Guidelines Manual for Federal-Aid Projects. The LPA Manual is a document approved by the Federal Highway Administration (FHWA) that sets out the requirements for local federal-aid projects to be eligible for federal reimbursement; the LPA Manual can be found in its entirety at the following web address: <http://www.dor.state.ne.us/gov-aff/lpa/lpa-guidelines.pdf>, and

"RESPONSIBLE CHARGE" or "RC" shall mean LPA's representative for the project whose duties and responsibilities are identified in federal law and in the LPA Manual, and

"STATE" means the Nebraska Department of Roads in Lincoln, Nebraska, its Director, or authorized representative. The State represents the interests of the United States Department of Transportation on federally funded transportation projects sponsored by a sub recipient of federal funds and any reference to the "State" in this Agreement shall mean the State on behalf of the United States Department of Transportation.

"FHWA" means the Federal Highway Administration, United States Department of Transportation, Washington, D.C. 20590, acting through its authorized representatives.

"DOT" means the United States Department of Transportation, Washington, D.C. 20590, acting through its authorized representatives.

"STATE REPRESENTATIVE" means an employee of the State assigned by the State to

observe whether the LPA's project meets the eligibility requirements for federal funding and to provide technical assistance when requested by the LPA, in LPAs efforts to comply with the requirements for Federal-aid funded local projects.

"PHASE OF WORK" means the distinct work phases established for federal aid transportation projects and are the following;

1. Preliminary Engineering/NEPA (*PE*)
2. Final Design
3. Right-of-Way (*ROW*)
4. Utilities
5. Construction Engineering (*CE*)
6. Construction

Each new work phase requires FHWA to: 1) approve obligation of funds, 2) authorize work in that phase to begin, and 3) NDOR to issue a notice-to-proceed to the LPA.

To "ABANDON" the Agreement means that the State has determined that conditions or intentions as originally existed have changed and that the Agreement as contemplated herein is to be renounced and deserted for as long in the future as can be foreseen.

To "SUSPEND" the work means that the State has determined that progress is not sufficient, or that the conditions or intentions as originally existed have changed, or the work completed or submitted is unsatisfactory, and that the work as contemplated herein should be stopped on a temporary basis. This cessation will prevail until the State determines to abandon or terminate the work or to reinstate it under the conditions as defined in this agreement.

To "TERMINATE" or the "TERMINATION" of this agreement is the cessation or quitting of this agreement based upon action or failure of action on the part of the LPA as defined herein and as determined by the State.

## SECTION 2. PROGRAM AGREEMENT

All provisions of the project program agreement remain in full force and effect, except to the extent specifically modified herein.

## SECTION 3. SCOPE OF SERVICES

LPA understands that the Services provided by LPA must be completed in accordance with all federal-aid reimbursement requirements and conditions. LPA agrees that the Scope of Services for this work will be in two parts. Part one of the Scope of Services is contained within the General Statement set out below. Part two of the Scope of Services is set out on the document attached hereto as Exhibit "A", entitled Scope of Services and Fee Proposal, which is

"Engineer" (unless the context of use of the term "Engineer" would otherwise require), as those terms are defined and duties set out in the Standard Specifications for Highway Construction (2007 Edition). LPA shall be responsible for all duties of the "Engineer".

Additionally, LPA shall review and have a working knowledge of the following authoritative guides and manuals related to highway construction, materials and federal aid reimbursement:

- (1) NDOR Construction Manual - Current Edition
- (2) Materials Sampling Guide
- (3) Standard Methods of Tests – 2006
- (4) The LPA Manual
- (5) The Manual on Uniform Traffic Control Devices

These documents are hereby incorporated herein by reference as if fully set forth, and these documents, collectively, may be referred to as the Manuals. Unless required otherwise by the Construction Contract Documents, LPA shall be responsible for timely completion of all applicable checklists, tests, samples, duties, requirements and provisions of the Manuals. The Manuals will be used to determine what, when, how, the sequence, and other details of the work that must be provided by LPA, whenever LPA's duties in these respects are not clearly set out in the Construction Contract Documents. LPA shall employ a sufficient number of qualified employees on the project to adequately observe, monitor, inspect, measure, manage, document, report and carry out the other duties of this agreement, so that the project is constructed by the contractor in compliance with the Construction Contract Documents, the Manuals, State and Federal law, rule or regulation and policy. LPA shall fulfill all contract duties of inspection, project management and construction engineering for the project in a timely manner and shall communicate regularly about the progress of the construction with the State, through the RC, and, when appropriate for federal funding or eligibility issues, the State representative.

The LPA shall be present at the project site when appropriate for each applicable phase of construction to inspect, observe, monitor, measure, manage, document and report on the progress of the work.

The Parties understand that the LPA is not responsible for the Contractor's means and methods of construction. To the extent the Construction Contract Documents and the Manuals specify sequencing of work, equipment requirements, or other construction methods, the LPA

shall keep the Owner's RC informed about the progress and quality of the portion of the work and shall advise the RC about observed or measured deficiencies in the work.

SECTION 4. NEW EMPLOYEE WORK ELIGIBILITY STATUS (This version is for LPA provided professional services agreement only.)

The LPA agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska under this agreement. The LPA hereby agrees to contractually require any Consultants or Subconsultants to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

The undersigned duly authorized representative of the LPA, by signing this agreement, hereby attests to the truth of the following certifications, and agrees as follows:

**Neb.Rev.Stat. § 4-114.** I certify compliance with the provisions of Section 4-114 and, hereby certify that this Local Public Agency shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. I agree to require all Subconsultants, by contractual agreement, to require the same registration and verification process.

SECTION 5. NOTICE TO PROCEED AND COMPLETION

The State will issue the LPA a written Notice-to-Proceed (NTP) upon full execution of this agreement and upon verification that Federal funding approval has been obtained for the services under this agreement. Any work or services performed by LPA on the project prior to the date specified in the written Notice-to-Proceed is not eligible for reimbursement. LPA agrees to prosecute this work promptly to completion.

State authorized changes in the scope of services, which increase or decrease work-hours or services required of the LPA, will provide the basis for changes to the total costs of the services under this agreement.

The LPA shall complete all work under this agreement within 60 calendar days from the construction completion date stated on the DR Form 91 "Notification of Contract Completion", and the work must be invoiced within 105 calendar days of the construction completion date.

Any exception to this deadline will require prior approval from the State's Construction Division Project Coordinator. If justification is approved, a time extension will be granted. Any costs incurred by LPA after the completion deadline will not be eligible for federal funding reimbursement.

#### **SECTION 6. CONFLICT OF INTEREST**

The LPA shall review the Conflict of Interest provisions of 23 CFR 1.33 and 49 CFR 18.36(b)(3) and agrees to comply with all the Conflict of Interest provisions in order for the project to remain fully eligible for State or Federal funding. LPA should review, understand and follow the instructions provided in the **NDOR CONFLICT OF INTEREST GUIDANCE**

#### **DOCUMENT for LPA OFFICIALS, EMPLOYEES & AGENTS for LOCAL FEDERAL-AID**

**TRANSPORTATION PROJECTS** located on the State website at the following location:

<http://www.dor.state.ne.us/gov-aff/lpa/chapter-forms/coi/coi-guidance-doc-lpa.pdf>. In the event a consultant is used by the LPA on this project, the consultant must also complete and sign the **CONFLICT OF INTEREST DISCLOSURE FORM FOR CONSULTANTS for Local Federal-aid Transportation Projects**, for each project. This form is located on the State website at the following location:

<http://www.dor.state.ne.us/gov-aff/lpa/chapter-forms/coi/coi-disclosure-doc-consultant.pdf>

Consultants and sub-consultants providing services for LPA's, or submitting proposals for services, shall have the duty to notify the LPA and the NDOR LPD PC and submit a revised Conflict of Interest Disclosure Form for Consultants for any changes in circumstances, or discovery of any additional facts, that could result in someone employed by, or who has an ownership, personal, or other interest with Consultant or sub-consultant having a real or potential conflict of interest on an LPA federal-aid transportation project.

#### **SECTION 7. REIMBURSEMENT AND INVOICING**

The LPA's fee proposal is set out on Exhibit "A", attached hereto and made a part of this agreement. For performance of the services described in this agreement, the LPA will be reimbursed for direct costs and indirect costs as defined below in this section, that are allowable subject to the terms of this agreement and to all requirements and limitations of the State policies and the federal cost principles contained in 2 CFR 225 – Cost Principles for State, Local and Tribal Governments and the Federal Acquisition Regulation (48 CFR 31). The total agreement amount is \$458,602.68, of which \$366,882.14 is the Federal share and \$91,720.54 is the LPA share.

A. **Direct costs** must be incurred specifically for the services performed under this agreement, and include:

1. Direct Labor Costs –

- (a) **Hourly Rates:** For time devoted and identified specifically for work under this agreement and based upon actual hours as documented by time reports that account for all hours compensated during the pay period and billed at actual labor rates.
- (b) **Time Reports:** The hours charged to the project must be supported by adequate time distribution records that clearly indicate the distribution of hours to all projects/activities on a daily basis for the entire pay period. Time reports must provide a clear identifying link to the projects: such as project description, project number, pertinent work phase, dates of service, and the individual's name and position (*as required by LPA Manual Chapter 13, paragraph. 13.4.7*). There must be an adequate system of internal controls in place to ensure that time charges are correct and have the appropriate supervisory approval.

2. Labor Fringe Benefits – provided they are:

- a) reasonable,
- b) required either by law, labor agreements or an established policy of the LPA,
- c) are equitably allocated to all activities,
- d) the accounting basis (cash or accrual) is consistently followed by the LPA,
- e) are eligible in accordance with 2 CFR part 225 (OMB Circular A-87), and
- f) the allocation rate has been reviewed and approved by NDOR and/or FHWA for the work under this agreement. Fringe benefit costs include:
  - Paid Leaves (holiday, vacation, sick, court, military, etc.)
  - Employer contributions or expenses for:
    - a. Social Security and Medicare
    - b. Employee life and life insurance
    - c. Unemployment insurance
    - d. Worker's compensation insurance
    - e. Retirement/Pension plan costs
    - f. Other similar benefits

3. **Direct Non-labor costs** – These costs include all necessary, actual, and allowable costs related to completing the work under the agreement, subject to limitations and

restrictions described below and in the Program Agreement, including but not limited to: meals, lodging, mileage, subject to the limitations outlined below; communication costs; reproduction and printing costs; special equipment and materials required for the project; approved equipment purchases or other capital expenditures necessary for the project; and such other allowable items. The State will reimburse the LPA for all necessary, allowable, eligible and properly documented direct non-labor costs related to the work under this agreement provided that costs of this nature are not also included in an indirect cost rate.

The following expenses will be reimbursed as outlined in this agreement based on actual costs, not to exceed the rates as shown below.

- (a) The reimbursement for mileage associated with the use of LPA owned vehicles shall be the prevailing standard rate as established by the Internal Revenue Service (IRS) through its Revenue Procedures. Reimbursement for mileage associated with the use of a privately owned vehicle (POV), is limited to the lesser of:
  - 1) The mileage rate which the consultant reimbursed to the person who submitted the claim for POV use, or
  - 2) The prevailing standard rate as established by the IRS.
- (b) Automobile Rentals and Air Fares will be actual reasonable cost and if discounts are applicable the Consultant shall give the State the benefit of all discounts.
- (c) The reimbursement for meal and lodging rates shall be limited to the prevailing standard rate as indicated in the current website address for U.S. General Services Administration's (GSA) rates which is indicated below:

<http://www.gsa.gov/portal/category/100120>

- 1) For the LPA employees to be eligible for the meal allowance, the following criteria must be met.

- Breakfast:
- (a) Employee is required to depart at or before 6:30 a.m., or
  - (b) Employee is on overnight travel.



- Lunch:
- (a) Employee must be on overnight travel. No reimbursement for same day travel.
  - (b) Employee is required to leave for overnight travel at or before 11:00 a.m., or
  - (c) Employee returns from overnight travel at or after 2:00 p.m.
- Dinner:
- (a) Employee returns from overnight travel or work location at or after 7:00 p.m., or
  - (b) Employee is on overnight travel.

Meals are not eligible for reimbursement if the employee eats within 20 miles of the headquarters town of the employee.

The LPA shall note the actual lodging and meal costs in a daily diary, expense report, or on the individual's time report along with the time of departure to the project and time of return to the headquarters town. The total daily meal costs must not exceed the GSA rates set out above.

- B. **Indirect Cost Rates** are incurred for common purposes and provide a benefit to the entire organizational entity. These costs are recovered through an indirect cost rate applied as a percentage to direct labor. LPA's indirect costs will only be allowed under the following conditions:
- 1) The LPA has an indirect cost rate that is supported by an Indirect Cost Allocation Plan (ICAP) which has been developed in accordance with 2 CFR 225 – Cost Principles for State, Local and Tribal Governments [OMB Circular A-87], and
  - 2) The indirect cost allocation rate has been approved in advance by NDOR. *(If the LPA has already in place an ICAP which has been reviewed and approved by the LPA's cognizant Federal agency, the ICAP will be considered for acceptance by FHWA and NDOR.)*
- C. **Invoices and Progress Reports.** The LPA shall submit invoices to the State no more frequently than at monthly intervals. The invoices must present actual direct and indirect costs, as described above, billed for that period. The invoices must identify each employee by name and classification, the hours worked, and each individual's actual labor cost. Direct non-labor expenses must be itemized and provide a complete description of each item billed.

Each monthly invoice must be substantiated by a progress report which is to include/address, as a minimum:

1. A description of the work completed for that period
2. A description of the work anticipated for the next pay period
3. Information needed from the State
4. Percent of work completed to date
5. A completed "Cost Breakdown Form" which is located on the State's webpage at [www.transportation.nebraska.gov/rfp](http://www.transportation.nebraska.gov/rfp).

If the LPA does not submit a monthly invoice, it shall submit its progress report monthly.

- D. **Progress Payments.** Payments will not be made unless the monthly progress reports provide adequate substantiation for the work and whether the State determines that the work has been properly completed. The State will make a reasonable effort to pay the LPA within 30 days of receipt of the LPA invoices.
- E. **Final Invoice.** Upon completion of the work under this agreement, the LPA shall submit their final invoice identifying it as the final invoice.
- F. **Final Payment.** Upon determination that the work was adequately substantiated and satisfactory, reimbursement will be made for any remaining billed eligible actual costs. The acceptance by the LPA of the final payment will constitute and operate as a release to the State for all claims and liability to the LPA, its representatives, and assigns, for any and all things done, furnished, or relating to the services rendered by or in connection with this agreement or any part thereof.
- G. **Audit and Final Cost Adjustment.** When the work is completed, the State will complete an audit review of the payments made under this agreement. The LPA agrees to reimburse the State for any overpayments identified in the audit review, and the State agrees to reimburse the LPA for any identified underpayments. The LPA agrees to pay the State within thirty days after receipt of a billing from the State.
- H. **LPA Cost Record Retention.** The LPA shall maintain, all books, documents, papers, accounting records, and other evidence pertaining to costs incurred and shall make such material available for examination at its office at all reasonable times during the agreement period and for three years from the date of final cost settlement by FHWA under this agreement and project closeout by the State. Such materials must be available for inspection by the State, FHWA, or any authorized representative of the federal government, and when requested, the LPA shall furnish copies.

SECTION 8. GENERAL REQUIREMENTS:

- A. The LPA shall advise the State when it appears any Disadvantaged Business Enterprise (DBE) working on the project is in need of assistance.
- B. The LPA shall make every effort to assist the Contractor or any Subcontractor in interpreting Project Plans, Special Provisions, Standard Specifications, other Construction Contract Documents, or the Manuals.
- C. The LPA will be present at the project site or available at LPA's Offices beginning on the date specified in the LPA's notice to proceed to the contractor, unless project work has not begun at the site; or, with at least 24 hours notice, at any prior date (1) when contract work begins or when materials are delivered to the project that need to be tested, sampled or inspected to verify conformance to the requirements of the Construction Contract Documents.
- D. The LPA will review and approve the performance of all construction work on the project, with the right, but not the duty for the State and FHWA to review for compliance or funding eligibility.
- E. All reports of field tests performed by the LPA will be submitted weekly to the State Representative (two copies). LPA will take appropriate action to reject or remedy the work or materials that do not conform to the contract documents.
- F. The LPA shall comply with all Federal, State and local laws, rules or regulations, policies or procedures, and ordinances applicable to the work contemplated in this agreement.
- G. Project time delays attributed solely to the Contractor will constitute a basis for a request for an equivalent extension of time for the LPA. The Parties understand that federal reimbursement of extra compensation must be approved in advance as described in the Fees and Payments Section of this agreement.
- H. The sampling and testing type, method and frequency must be completed by LPA according to the current State of Nebraska Manuals, including the Materials Sampling Guide and the State Standard Methods of Tests ([www.dor.state.ne.us](http://www.dor.state.ne.us)), and the Construction Contract Documents. For sampling or testing issues or situations that are not covered in the Construction Contract Documents or the Manuals, LPA shall decide what testing type, method or frequency should be applied for this project. Any test methods or procedures that are proposed to be used and are not covered by NDOR procedures must receive prior concurrence for use from NDOR and FHWA.

#### SECTION 9. OWNERSHIP OF DOCUMENTS:

The diaries, reports, field books, shop drawings, surveys, plans, specifications, maps, computations, charts, and electronic project data and all other project documents prepared or obtained are the property of the LPA. At the conclusion of the project, the LPA shall include these documents in the LPA's federal-aid project file. Further, LPAs time sheets and payroll documents shall be kept in LPAs files for at least three years after the project acceptance by FHWA.

#### SECTION 10. PROFESSIONAL PERFORMANCE

The LPA understands that it is solely responsible for the quality of the professional services it is providing for this project. LPA believes that LPA employees have the necessary professional training, experience and ability to properly complete the work under this agreement. Any examination by the State, or FHWA, or any acceptance or use of, or acquiescence in the LPA's work product, will not be considered to be a full and comprehensive examination and will not be considered approval of the LPA's work product which would relieve the LPA from liability or expense that would be connected with the LPA's sole responsibility for the propriety and integrity of the professional work to be accomplished by the LPA pursuant to this Agreement.

The LPA further understands that acceptance or approval of any of the work of the LPA by the State or of payment, partial or final, will not constitute a waiver of any rights of the State, or in any way relieve the LPA from any liability or expenses due to error, omission, or negligence of the LPA in its work. That further, if due to error, omission, or negligence of the LPA, the work product of the LPA is found to be in error or there are omissions therein revealed during or after the construction of the project and revision, reconsideration or reworking of the LPA's work product is necessary, the LPA shall make such revisions without expense to the State. The LPA shall respond to the notice of any errors, omissions or negligence within 24 hours and give immediate attention to necessary corrections. If the LPA discovers errors in its work, it shall notify the State of the errors within 24 hours. Failure of the LPA to notify the State will constitute a breach of this Agreement. The LPA's legal liability for any or all damages incurred by the State or by others caused by error, omission, or negligent acts of the LPA will be borne by the LPA without liability or expense to the State and will not be considered eligible for reimbursement with federal funds.

#### SECTION 11. SUSPEND, ABANDON OR TERMINATE

The FHWA, or the State on its behalf has the absolute right to suspend or abandon the project or to change the general scope of work at any time and such action on its part will in no event be deemed a breach of this Agreement. The State can suspend or terminate this agreement at any time. The State will give the LPA seven days written notice of such suspension or termination.

If the State abandons or subtracts from the work, or suspends or terminates the agreement as presently outlined, the LPA will be reimbursed in accordance with the provisions of 48 CFR 31, provided however, that in case of suspension, abandonment, or termination for breach of this agreement or for improper work, the State can suspend reimbursements, pending the LPA's compliance with the provisions of this agreement. In determining the percentage of work completed, the State will consider the work performed by the LPA prior to abandonment, suspension or termination to the total amount of work contemplated by this agreement.

#### SECTION 12. GENERAL COMPLIANCE WITH LAWS

The LPA hereby agrees to comply with all federal, state, and local laws and ordinances applicable to the work.

#### SECTION 13. DISPUTES

Any dispute concerning a question of fact in connection with the work not disposed of by this agreement will be referred for determination to the State or a duly authorized representative, whose decision in the matter will be final and conclusive on the Parties to this agreement.

#### SECTION 14. HOLD HARMLESS PROVISION

The LPA agrees to save harmless the State from all claims and liability due to activities of the LPA or those of the LPA's agents or employees in the performance of work under this agreement.

#### SECTION 15. PROFESSIONAL REGISTRATION

When applicable, the LPA shall affix the seal of a registered professional engineer or architect licensed to practice in the State of Nebraska, on all documents, plans, and specifications prepared under this agreement as required by the Nebraska Engineers and Architects Regulations Act, Neb.Rev.Stat. 81-3401 et.seq.

#### SECTION 16. SUCCESSORS AND ASSIGNS

This agreement is binding on successors and assigns of either party.

SECTION 17. SUBLETTING, ASSIGNMENT, OR TRANSFER

Any subletting, assignment, or transfer of any professional services to be performed by the LPA is hereby prohibited unless prior written consent of the State is obtained.

SECTION 18. ALL ENCOMPASSED

This instrument embodies the whole agreement of the Parties. There are no promises, terms, conditions, or obligations other than contained herein, and this agreement supersedes all previous communications, representations, or other agreements or contracts, either oral or written hereto.

IN WITNESS WHEREOF, the Parties hereby execute this agreement pursuant to lawful authority as of the date signed by each party. Further, the Parties, by signing this agreement, attest and affirm the truth of each and every certification and representation set out herein.

EXECUTED by the Local Public Agency this \_\_\_\_ day of \_\_\_\_\_, 2015.

WITNESS  
Teresa J. Meier

CITY OF LINCOLN  
Chris Beutler

\_\_\_\_\_  
City Clerk

\_\_\_\_\_  
Mayor

EXECUTED by the State this \_\_\_\_ day of \_\_\_\_\_, 2015.

STATE OF NEBRASKA  
DEPARTMENT OF ROADS  
Claude Oie

\_\_\_\_\_  
NDOR Construction Engineer

**Exhibit "A"**  
**SCOPE OF SERVICES**

**CONSTRUCTION ENGINEERING**  
**for**

**Project Name: So. 56<sup>th</sup> Street – Shadow Pines to Old Cheney**  
**Project Number: LCLC-5241(5)**  
**Control Number: 13141**  
**City Project 701923**

**A. PROJECT DESCRIPTION**

This scope provides for construction engineering services for So. 56<sup>th</sup> Street – Shadow Pines to Old Cheney in Lancaster County, Nebraska. The project consists of the following improvements: widening So. 56<sup>th</sup> Street from Shadow Pines to Old Cheney Road to four lanes of pavement divided by a median. Work shall include reconstruction of the structure at Beal Slough, reconstruction of 16" water main, storm sewer improvements, minor sanitary work, sidewalks and trail construction, street lighting, retaining walls, and a noise wall. This project is a full-federal oversight project for construction.

The City of Lincoln (LPA) shall perform construction phase services for this project and will represent itself in all matters related to construction engineering services for this project.

It shall be the responsibility of the LPA to administer, monitor, and inspect construction such that the project is constructed in conformity with the plans, specifications, and special provisions.

The LPA shall inspect the Contractor's work to determine the progress and quality of work, identify discrepancies, report significant discrepancies to the Department, and direct the Contractor to correct such observed discrepancies.

**B. APPLICABLE PUBLICATIONS**

Work shall be done in accordance with the following materials as currently adopted at the time of letting:

1. AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing
2. The ASTM Standards
3. NDOR Materials Sampling Guide
4. NDOR Construction Manual
5. NDOR Standard Specifications for Highway Construction
6. Project Plans
7. Contract Special Provisions
8. Manual on Uniform Traffic Control Devices (MUTCD) and NDOR's supplement to the MUTCD.
9. NDOR Final Review Manual
10. NDOR Standard Method of Tests for Laboratory and Field

**C. LPA SHALL PROVIDE**

The LPA, on an as needed basis, will furnish the following documents for the project.

1. Project description
2. Electronic Construction Plan files including current aerial photographs with project alignment, existing and new rights-of way (ROW) and easements, and LOC, if available
3. Two copies of the Plans and Special Provisions
4. Roadside safety guidelines (Survey Crew Traffic Control Policy, see NDOR website)
5. Survey Field Books with control points and bench marks
6. NEPA Document
7. Other

These documents may be provided in either paper or electronic format.

*Project Number: LCLC-5241(5)*  
*Control No. 13141*  
*Construction Engineering Services*



**D. LPA SHALL PROVIDE**

1. Project Management and Coordination. This task includes activities to initiate and monitor project schedules, workload assignments and internal cost controls throughout the project. Also included are efforts to prepare and process invoices and monthly progress reports; prepare project correspondence with the NDOR; maintain project records; and perform other duties of the Project Manager as defined in the NDOR Standard Specifications for Highway Construction.
  - 1.1 Project Management activities shall include the following:
    - Project Management – Provide management of project including staffing, scheduling, invoicing, progress reports, and coordination with designer.
    - Prepare Change Orders and submit copies to the appropriate parties for approval and full execution.
    - Maintain detailed Project Records and keep them current. All records shall be available at the LPA's office.
    - Generate contractor's progress and final Estimates in Site Manager
    - Review Contractor's Construction Schedule
    - Coordinate with LPA and RC regarding all project activities.
    - Make entries of project data and diary information into Site Manager on a daily basis. Insure that inspectors and lab personnel are maintaining appropriate daily work reports and all material records.
2. Meetings. Project staff will meet with the Contractor, and NDOR when requested by the State, and prepare minutes of the meeting.
  - 2.1 Construction Inspection Planning Meeting - The LPA shall coordinate this meeting prior to start of construction to ensure roles and responsibilities are clear. Attendees should include the LPA RC, construction inspection personnel and NDOR State Representative.
  - 2.2 Pre-Construction Meeting - Prepare the agenda, attend, and distribute meeting notes.
  - 2.3 Construction Progress Meetings - Prepare the agenda, attend, and conduct periodic progress meetings with the LPA and/or NDOR personnel, contractor, sub-contractors, utility personnel, and other agencies affected by the project. FHWA shall be included for full Federal oversight projects. There will be approximately 41 scheduled progress meetings.
  - 2.4 Public Meeting - Schedule and conduct a Public Meeting with Contractor and Residents prior to the start of project.
  - 2.5 Assume 123 trips to the project site for meetings.
3. Traffic Control Plan. LPA shall review the traffic control plan for the project site submitted by the Contractor. These plan sheet(s) are to be signed by a Professional Engineer licensed in the State of Nebraska. Traffic Control plans shall be reviewed by the State Representative prior to placing in service (Owner will use checklist 12-72 to audit and document the LPA's completion of this activity). Once the plans are completed, they are to be submitted to the Person of Responsible Charge (RC).
  - 3.1 Review and approve Traffic Control Plan (If Completed by Contractor) for conformance to the Contract's Special Provisions.
  - 3.2 Submit Plans to the RC for their records.
4. SWPPP Inspections/Manual Updates. LPA shall accompany the Contractor for bi-weekly inspections and after every 1/2" or greater rain event according to permit regulations. The Stormwater Pollution Prevention Plan (SWPPP) Manual shall be updated according to NDOR and/or LPA requirements.
  - 4.1 Conduct 41 Inspections
  - 4.2 Update SWPPP Manual and Temporary Erosion Control Plan
  - 4.3 Assume 41 trips to the project site for SWPP Inspections.

5. Construction Survey/Staking. Construction Survey/Staking will be completed by the Contractor as a bid item.
6. Construction Consultation/Site Manager & Daily Work Report (DWR). LPA inspection personnel shall contact RC/Designer as needed to obtain plan clarifications/interpretations. Maintain and review project materials and promptly enter information into Site Manager.
  - 6.1 Construction Consultation/SiteManager & Daily Work Report (DWR)
    - Review and Enter Data into SiteManager
    - Maintain Project Field Diaries, Files, and Record data in SiteManager
    - Document and Review Daily Work Reports (DWRs)
7. Girder Shim Surveying. No shim surveying is needed for this project. The structure at the Beal Slough is a quad-cell 14' x 14' box culvert.
8. Perform Bearing Calculations. No pile driving is required for this project.
9. Construction Inspection. LPA shall perform material sampling and testing and complete inspection work and project management in accordance with the references list in Section B of this Exhibit. LPA shall assume the duties of "Inspector, (also referred to in the NDOR Construction Manual as "Construction Technician"), "Project Manager", and also "Engineer" (unless the context of use of the term "Engineer" would otherwise require), as those terms are defined and duties set out in the Standard Specifications for Highway Construction. LPA shall assume that it is responsible for all duties of the "Engineer" unless notified otherwise by RC on behalf of LPA.
  - 9.1 Construction Inspection: Duties for construction inspection will include, but are not limited to, the following items:
    - Conduct wage rate interviews and review payrolls for correctness and Davis-Bacon Wage Rate compliance
    - Verify that the performance of the work is in conformance with the plans, specifications, and special provisions.
    - Conduct reviews for compliance with Disadvantaged Business Enterprise (DBE) commitments
    - The Consultant is required to create checklists to document assessment and compliance with all environmental commitments for the project. An Environmental Compliance Inspection Audit will be conducted by NDOR personnel. (NDOR will use checklist 12-20 to document the audit of the Consultant.) The environmental check list is to monitor and document construction activities for compliance with NEPA (Environmental Review Checklist, Section 404, NPDES, SWPPP, Threatened and Endangered Species, etc.)
    - NDOR will provide the Initial Threatened and Endangered Species surveys required as outlined in the conservation conditions; and follow up survey training for the Consultant's environmental inspection personnel. Follow-up surveys as may be required will be the responsibility of the Consultant. Any required surveys for compliance with the Migratory Bird Treaty Act will also be the responsibility of the LPA. NDOR will not conduct these surveys.
    - The LPA will provide NDOR 30 days advance notice of the need for the initial T&E surveys so that NDOR personnel can be scheduled to perform this work.
    - Review work zone traffic control devices daily and, at a minimum weekly interval, conduct a nighttime drive through review of temporary traffic control devices (per ATSSA Quality Standards for Work Zone Traffic Control Devices). Perform reflectivity check (DR form 481) of temporary devices at the start of construction activities and at six (6) month intervals or as conditions warrant.
    - Collect, sign/date, and file all delivery tickets and material certifications. All required material certifications shall be submitted to NDOR Materials & Research Division accompanied by a completed DR-12 sample ID form or Site Manager Sample Record ID.

- LPA shall forward shop drawings to the Consultant for review and approval by the Consultant.
  - Draft and review change order or time extension request including explanation of the issue and resolution and the justification for accepted prices and forward to RC. Once reviewed by NDOR and FHWA, proceed with the approval process. Forward a signed hardcopy to NDOR for further processing.
  - Communicate and coordinate plan revisions and change orders with the Designer.
  - Prepare a field checked culvert order list
  - Generate periodic progress estimates using SiteManager and forward to RC for further approval.
  - Review critical path schedule prepared by the Contractor for appropriateness and Current Controlling Operation (CCO) designation.
- 9.2 Measure, calculate, and document quantities of pay items
- 9.3 Keep all records and data up-to-date so that all necessary information appears on the Weekly Report of Calendar Days when they are generated at mid-week.
- 9.4 Assume 284 trips to the site for construction inspection

10. Perform Material Sampling and Testing. The LPA shall perform material testing as required in accordance with the references list in Section B of this Exhibit. All testing and sampling personnel shall be certified to perform these duties in accordance with the NDOR Materials Sampling Guide section 28. All non-NDOR Laboratories shall be pre-qualified by NDOR's Materials and Research Division to conduct the testing they are contracted to perform.

**NDOR SHALL PROVIDE:**

Typical testing done by NDOR Materials and Research's Central lab (sampling and delivery for these materials is done by Consultant and submitted to NDOR):

All Aggregate

- Quality and Soundness acceptance testing
- Gradation verification testing

PG Binders & Emulsions

- All required acceptance testing

All Steel Products

- All testing required for heat number pre-approval and acceptance testing

Chemical Lab

- All required source pre-approval and acceptance testing

Smoothness

- NDOR will run all 10% verification testing for projects with Smoothness
- Specifications for pavement. NDOR will perform bridge smoothness testing on bridges receiving pavement on either side of the bridge

**LPA SHALL PROVIDE:**

(List of tests to be provided by NDOR)

- 10.1 Collect, verify, document and deliver all samples to testing lab
- 10.2 Collect, verify, document and deliver a copy of all required material certifications to the NDOR Materials and Research Central Lab.
- 10.3 Review and document test results of all samples and coordinate with owner for acceptance and incorporation into the project.
- 10.4 Assume 132 trips to the project site for Material Sampling and Testing.

11. As-Built Drawings. Prepare As-built drawings according to the LPA manual and the current directions from the NDOR Final Review Section.

11.1 As-Built Drawings

12. Final Inspections. LPA shall prepare a punch list of items for the project site and conduct a final project walk-through inspection with the LPA RC and NDOR State Representative to verify that corrective work identified on the punch list has been completed.

12.1 Walkthrough of Site and Preparation of Punch List

- 12.2 Review Project to verify that Punch List work has been completed (Owner will use LPA Manual checklist 12-75 to audit and document the LPA's completion of this activity)

13. Project Closeout. Assist RC with compiling project construction records as requested. Assemble and transmit Final Construction Records to LPA RC in paper format (printed single sided), including:

13.1 Project Closeout activities shall include the following:

- Project Manager's Final Estimate
- Copy of Consultant PM's (representing LPA) Concurrence/Non-Concurrence Letter w/ Certified Mail Receipt Enclosed.
- Copy of Contractor's signed Concurrence/Non-Concurrence Letter
- Memo of Major Item Review
- Memo of Time Allowance Review (Required only if the Contractor has overrun on the Contract Time Allowance.)
- Borrow Site Memo
- City Agreement Letter
- Project Completion Memo - The Consultant's PM should perform this in an e-mail to the NDOR Rep with the required information - check with the NDOR Rep for this. The Consultant should ensure that the LPA RC sends a letter of Tentative Acceptance (per NDOR format) to the Contractor - send copies to the NDOR Rep.
- Sign Deduction Memo (If required)
- Material Review Memo
- SiteManager PM Diary Report
- SiteManager Contract Item Report for all Contract Items
- All NDOR Spreadsheets and Workbooks used for Contract Item supportive documentation.
- All Contractor-provided Asphalt QA/QC Test Results (asphalt projects)
- Project Culvert Field Book with information per the NDOR Constructor Manual
- Signed and stamped As Built Plans (full size)
- Copy of Evaluation(s) of Contractor
- LPA CE Project Closeout Checklist (LPA Manual Checklist 14-10)
- Deliver Final Construction Records to LPA RC, including Form DR-259 - Project Construction Conformity Certification and ensure that the LPA RC completes the LPA RC Project Closeout Checklist (LPA Manual checklist 14-20 and includes it in the Final Records provided to the NDOR State Representative for review)

14. Consultant Scope of Services: E&A Consulting Group, the primary consultant responsible for the design of the project, will provide services as described in Appendix A of this agreement.

**E. SCHEDULE**

1. Notice to Proceed: TBD
2. The LPA shall provide a schedule of activities and deliverables upon award

## CONSTRUCTION ENGINEERING SERVICES Staffing Plan

Project Name: **So. 56th Street - Shadow Pines to Old Cheney**  
 Project Number: **LCLC-S241(S); City # 701923**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Consultant Project Manager: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402.326.1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator: **Ernest Mutillo**  
 Phone/Email: **402.440.3472 ernest.mutillo@nebraska.gov**  
 Date: **January 9, 2015**

LPA:  
**City of Lincoln**

Labor Costs:		Hours	Actual Rate*	Amount
Code	Classification Title			
PR	Principal	5	\$54.00	\$270.00
PM	Project Manager			
ENG	Engineer (RC)	148	\$50.76	\$7,512.48
CPM	Construction Project Manager	785	\$31.01	\$24,342.85
LAB	Laboratory Personnel	965	\$27.54	\$26,678.10
TRA	Traffic Personnel	17	\$28.81	\$489.77
INSP 2	Inspector 2	554	\$24.04	\$13,318.16
INSP 1	Inspector 1	2346	\$29.07	\$68,198.22
ADM	Administrative	44	\$24.04	\$1,057.76
<b>TOTALS</b>		<b>4864</b>		<b>\$141,768.34</b>

\* For determining labor rates you may use the Median rates provided below or the actual rates provided during the scoping/negotiations meeting from the Consultant. The Median rate is an average of rates for each personnel classification provided by NDOR. The value selected must be placed in the Actual Rate column for each classification title to calculate the project cost.

Overhead Rate\*\* 197.900% Fee for Profit Rate\*\*

\*\* If no Overhead Rate or Fee for Profit Rate is provided please contact NDOR.

### CLASSIFICATIONS\*\*\*:

PR = Principal	LAB = Laboratory Personnel	ADM = Administrative
PM = Project Manager	TRA = Traffic Personnel	UD1 = User Defined 1
ENG = Engineer (RC)	INSP 2 = Inspector 2	UD2 = User Defined 2
CPM = Construction Project Manager	INSP 1 = Inspector 1	

\*\*\* For User-Defined Classifications, you will need to edit the Classifications Legend located above. To enter a new classification, replace "UD1" with its abbreviation (ex. GRA) and replace "User Defined 1" with the corresponding title (ex. Graphic Artist). Once the user-definitions are added, they will self-populate in the Labor Costs Table, as well as the remaining sheets.

Classification Title	Rate		
	Low	Median	High
Principal	\$31.43	\$50.40	\$91.52
Project Manager	\$26.85	\$44.48	\$68.90
Engineer	\$25.67	\$36.19	\$57.69
Designer	\$13.10	\$17.73	\$22.75
CADD Technician	\$14.20	\$22.48	\$38.50
Survey Crew Chief	\$20.00	\$28.82	\$39.04
Survey Crew Member	\$13.00	\$18.00	\$28.63
Inspector 2	\$20.00	\$25.50	\$43.13
Inspector 1	\$10.00	\$15.88	\$20.00
Administrative	\$9.00	\$15.45	\$22.60

These rates are only to be used as a tool to check for reasonableness.

## CONSTRUCTION ENGINEERING SERVICES LPA's Estimate of Hours

Project Name: **So. 56th Street - Shadow Pines to Old Cheney**  
 Project Number: **LCLC-5241(6); City # 701923**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Consultant Project Manager: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402.326.1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator: **Ernest Munilo**  
 Phone/Email: **402.440.3472 ernest.munilo@nebraska.gov**  
 Date: **January 9, 2015**

LPA:  
**City of Lincoln**

TASKS	PR	PM	ENG	CPM	LAB	TRA	NSP 2	BSP 1	ADM	Total
PERSONNEL CLASSIFICATIONS**										
For Construction Engineering Services:										
1. Project Management and Coordination										
1.1 Project Management (coord with public agencies, NDOR, etc)			48	245					40	333
Subtotal			48	245					40	333
2. Meetings										
2.1 Construction Inspection Planning Meeting										
2.2 Pre-Construction Meeting	2		4	2	2	2		2	2	16
2.3 Construction Progress Meetings				164				88		252
2.4 Public Meeting (if Required)	3		8	3		3		3	2	22
2.5 Trips to Site (Travel Time) for Meetings				4	40					44
Subtotal	5		16	209	2	6		93	4	334
3. Traffic Control Plan										
3.1 Prepare Traffic Control Plan										
3.2 Review/Approve Traffic Control Plan (If Completed by Contractor)						12				12
3.3 Submit Plans to the RC for their records										
Subtotal						12				12
4. SWPPP Inspections/Manual Updates										
4.1 Conduct Inspections								28		28
4.2 Update SWPPP Manual and Temporary Erosion Control Plan								28		28
4.3 Trips to Site (Travel Time) for SWPPP Inspections										
Subtotal								56		56
5. Construction Survey/Staking										
5-1-5-10 Totals From Survey-Staking Worksheet (enter hours in gray cells)										
5-13 Trips to Site (Travel Time) for Construction Survey/Staking										
Subtotal										
6. Construction Consultation/Site Manager & Daily Work Report (DWR)										
6.1 Construction Consultation/Site Manager & Daily Work Report (DWR)				63				126		189
Subtotal				63				126		189
7. Girdle Shim Surveying (Bridge Projects Only)										
7-1 Girdle Shim Surveying										
Subtotal										
8. Perform Bearing Calculations										
8-1 Perform Bearing Calculations										
Subtotal										
9. Construction Inspection										
9.1 Construction Inspection							500	1,420		1,920
9.2 Measure, calculate, and document quantities of pay items								250		250
9.3 Maintain records/data and prepare the Weekly Report of WDs				60				56		116
9.4 Trips to Site (Travel Time) for Construction Inspection								54	145	199
Subtotal				60				554	1,611	2,485
10. Perform Material Sampling and Testing										
10.1 Collect, verify, document and deliver all samples to testing lab						645				645
10.2 Provide all required material certifications to the NDOR M & R Lab						120				120
10.3 Review and document all test results of all samples						120				120
10.4 Trips to Site (Travel Time) for Delivery and Collecting Samples						54				54
Subtotal						939				939
11. As-Built Drawings										
11.1 Prepare As-Built Drawings			12	16				80		108
Subtotal			12	16				80		108
12. Final Inspections										
12.1 Walkthrough of Site and Preparation of Punch List			12	24				16		52
12.2 Review Project to verify that Punch List has been completed				48				24		72
Subtotal			12	72				40		124
13. Project Closeout										
13.1 Project Closeout			60	120	24			80		284
Subtotal			60	120	24			80		284
14. Other										
14.1 Other										
14.2 Other										
Subtotal										
Total Hours	5		148	788	966	17	554	2,345	44	4,854
Total Days (8 hrs)	0.6		18.5	98.1	120.8	2.1	69.3	293.3	5.5	606.0
Total Travel Time			4	40	66		54	146		297
Total Hours minus Travel Time	5		144	748	901	17	500	2201	44	4557

## CONSTRUCTION ENGINEERING SERVICES Cost by Task

Project Name: So. 56th Street - Shadow Pines to Old Cheney  
 Project Number: LCLC-6241(6); City # 701823  
 Control Number: 13141  
 Location (City, County): Lincoln, Lancaster County  
 Consultant Project Manager: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 LPA Responsible Charge: Kris Humphrey  
 Phone/Email: 402.328.1176 khumphrey@lincoln.ne.gov  
 NDOR Project Coordinator: Ernest Munio  
 Phone/Email: 402.440.3472 ernest.munio@nebraska.gov  
 Date: January 8, 2015

LPA:  
City of Lincoln

Tasks	Total Hours	Direct Labor Cost	Overhead 197.90%	Fee for Profit	Total Project Cost
<b>For Construction Engineering Services:</b>					
1. Project Management and Coordination	333	\$10,895.53	\$21,760.15		\$32,755.68
2. Meetings	334	\$10,562.05	\$20,902.30		\$31,464.35
3. Traffic Control Plan	12	\$345.72	\$684.16		\$1,029.90
4. SWPPP Inspections/Manual Updates	56	\$1,627.82	\$3,221.65		\$4,849.57
5. Construction Survey/Staking					
6. Construction Consultation/Site Manager & Daily Work Report (DWR)	188	\$5,616.45	\$11,114.85		\$16,731.40
7. Girder Shim Surveying (Bridge Projects Only)					
8. Perform Bearing Calculations					
9. Construction Inspection	2,495	\$69,568.73	\$137,876.52		\$207,245.26
10. Perform Material Sampling and Testing	939	\$25,860.06	\$51,177.06		\$77,037.12
11. As-Built Drawings	108	\$3,430.88	\$6,789.71		\$10,220.69
12. Final Inspections	124	\$4,004.64	\$7,926.18		\$11,930.82
13. Project Closeout	284	\$8,753.36	\$17,301.60		\$26,055.26
14. Other					
Direct Expenses					
<b>TOTAL</b>	<b>4684</b>	<b>\$141,765.34</b>	<b>\$280,653.60</b>		<b>\$422,318.94</b>

## CONSTRUCTION ENGINEERING SERVICES Project Cost

Project Name: **So. 56th Street - Shadow Pines to Old Cheney**  
 Project Number: **LCLC-6241(6); City # 701923**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Consultant Project Manager: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 LPA Responsible Charge: **Krs Humphrey**  
 Phone/Email: **402.326.1176 khumphrey@lincoln ne.gov**  
 NDOR Project Coordinator: **Ernest Munilo**  
 Phone/Email: **402.440.3472 ernest.munilo@nebraska.gov**  
 Date: **January 9, 2015**

LPA:

**City of Lincoln**

Labor Costs:	Hours	Rate	Amount
<b>Personnel Classification</b>			
Principal	5	\$54.00	\$270.00
Project Manager			
Engineer (RC)	148	\$50.76	\$7,512.48
Construction Project Manager	785	\$31.01	\$24,342.85
Laboratory Personnel	955	\$27.54	\$26,378.10
Traffic Personnel	17	\$28.81	\$489.77
Inspector 2	554	\$24.04	\$13,318.16
Inspector 1	2346	\$29.07	\$68,188.22
Administrative	44	\$24.04	\$1,057.76
<b>TOTAL</b>	<b>4894</b>		<b>\$141,785.34</b>

Direct Expenses:	Amount
Subconsultants	\$36,283.73
Printing and Reproduction Costs	
Mileage/Travel	
Lodging/Meals	
Material Testing	
Other Miscellaneous Costs	
<b>TOTAL</b>	<b>\$36,283.73</b>

Total Project Costs:	Amount
Direct Labor Costs	\$141,785.34
Overhead @ 197.90%	\$280,553.81
Total Labor Costs	\$422,339.15
Fixed Fee @	
Direct Expenses	\$36,283.73
<b>PROJECT COST</b>	<b>\$458,622.88</b>

Signature of Responsible Charge

Date



**Exhibit A**  
**SCOPE OF SERVICES**  
**CONSTRUCTION ENGINEERING**  
**for**

Project Name: 56th Street, Shadow Pines to Old Cheney, Lincoln  
Project Number: LCLC-5241(5)  
Control Number: 13141

**A. PROJECT DESCRIPTION**

This scope provides for construction engineering services for South 56th Street in Lancaster County, Nebraska. The project consists of the following improvements: grading, drainage, concrete paving, utilities, structures, lighting and seeding/sodding.

E & A Consulting Group, Inc., (Consultant) shall serve as agent for the City of Lincoln, (LPA), representing the LPA in specific matters related to construction engineering services for this project.

It shall be the responsibility of the Consultant to provide design support during construction of the project.

**B. APPLICABLE PUBLICATIONS**

Work shall be done in accordance with the following materials as currently adopted at the time of letting

1. AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing
2. The ASTM Standards
3. NDOR Materials Sampling Guide
4. NDOR Construction Manual
5. NDOR Standard Specifications for Highway Construction
6. Project Plans
7. Contract Special Provisions
8. Manual on Uniform Traffic Control Devices (MUTCD) and NDOR's supplement to the MUTCD.
9. NDOR Final Review Manual
10. NDOR Standard Method of Tests for Laboratory and Field

**C. LPA SHALL PROVIDE**

The LPA shall coordinate all communication between the Contractor and the Consultant. All questions, requests for information, scheduling of site visits, requests for shop drawing reviews, etc. shall be communicated thru the LPA.

**D. CONSULTANT SHALL PROVIDE**

1. Project Management and Coordination. The Consultant Project Manager will serve as the point of contact, and will prepare project correspondence, provide regular progress reports with invoices, and coordinate with the LPA and sub-consultants as needed.
2. Meetings/Site Visits. The Consultant Project Manager will meet with the LPA, the Contractor, and NDOR when requested and will prepare minutes of the meeting. It is assumed that ten meetings and ten site visits will be held. The Consultant will also attend the pre-construction meeting. Consultant shall prepare public open house meeting displays and attend the meeting.
3. Answers to design related questions during construction.
4. The Consultant shall review settlement data provided by the Contractor and will give input on the status of settlement and the timing of surcharge removal.

Project Number: LCLC-5241(5)  
Control Number: 13141  
Construction Engineering Services

5. The Consultant shall provide shop drawing review as needed. It is anticipated that reviews will be required for:
  - Settlement instrumentation
  - Noise barrier
  - Gravity block wall
  - Skylights
  - Light poles and foundation bases
  - Temporary shoring
  - Steel sheet pile
6. Set property pins for the Krein property (Tract 27).
7. Prepare culvert order list.
8. ~~Minor re-design due to site conditions. The scope is limited to 18 hours of a design engineer and 12 hours of technician time per occurrence which will cover minor plan revisions due to site conditions. Assume two occurrences for the project.~~ *KRM*  
~~Approval by the LPA will be required before proceeding with this task.~~

**E. SCHEDULE**

1. Notice to Proceed: April 14, 2015
2. The completion date shall be tied to the completion of project construction activities. At this time, this is anticipated to be June 25, 2016.

## CONSTRUCTION ENGINEERING SERVICES Staffing Plan

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-5241(5)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **E & A Consulting Group, Inc.**  
 Consultant Project Manager: **Fred Beck**  
 Phone/Email: **402 420-7217 fbeck@eacg.com**  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402 326-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator:  
 Phone/Email:  
 Date: **March 10, 2015**

**Add  
Logo Here**

Code	Classification Title	Hours	Blended Rate	Amount
PR	Principal	1	\$65.59	\$65.59
PM	Project Manager	75	\$55.75	\$4,181.25
ENG	Engineer	47	\$36.41	\$1,711.27
DES	Designer/CADD Technician	6	\$19.28	\$115.68
SCC	Survey Crew Chief	6	\$23.69	\$142.14
SCM	Survey Crew Member	6	\$17.51	\$105.06
RLS	Registered Surveyor	1	\$42.21	\$42.21
INSP 1	Inspector 1			
ADM	Administrative			
<b>TOTALS</b>		<b>142</b>		<b>\$6,383.20</b>

Overhead Rate\*: 162.11% Fee for Profit Rate\*: 12.60%

\* Enter firm's most recent Audited Overhead Rate, and Fee for Profit Rate calculated from the NDOR Fixed Fee Worksheet (available on the NDOR website)

### CLASSIFICATIONS\*\*:

PR = Principal      SCC = Survey Crew Chief      ADM = Administrative  
 PM = Project Manager      SCM = Survey Crew Member      UD1 = User Defined 1  
 ENG = Engineer      RLS = Registered Surveyor      UD2 = User Defined 2  
 DES = Designer/CADD Technician      INSP 1 = Inspector 1

\*\* For User-Defined Classifications, you will need to edit the Classifications Legend located above. To enter a new classification, replace "UD1" with its abbreviation (ex. GRA) and replace "User Defined 1" with the corresponding title (ex. Graphic Artist). Once the user-definitions are added, they will self-populate in the Labor Costs Table, as well as the remaining sheets.

### Blended Rates Table

EMPLOYEE NAME	STAFFING PLAN CLASSIFICATION <sup>1</sup> & CERTIFICATIONS	SALARY RATE	% ASSIGNED <sup>2</sup>
Principal			
Tom Nussrallah	President	\$65.59	100%
		Blended Rate:	\$65.59
Project Manager			
Fred Beck	Engineer IX	\$55.75	100%
		Blended Rate:	\$55.75
Engineer			
Crystal Garstang	Engineer IV	\$36.41	100%
		Blended Rate:	\$36.41
Designer/CADD Technician			
Kris Hoge	Tech I	\$19.28	100%
		Blended Rate:	\$19.28
Survey Crew Chief			
Zach Grandel	Surveyor III	\$23.69	100%
		Blended Rate:	\$23.69
Survey Crew Member			
Michael Scaturro	Surveyor I	\$17.51	100%
		Blended Rate:	\$17.51
Registered Surveyor			
Eric Schaben	RLS III	\$42.21	100%
		Blended Rate:	\$42.21
Inspector 1			
		Blended Rate:	
Administrative			
		Blended Rate:	
		Blended Rate:	
		Blended Rate:	
		Blended Rate:	

<sup>1</sup> Input actual employee classification as designated by firm. Also enter in any certifications that employee holds

<sup>2</sup> Total of "% Assigned" must equal 100% for each personnel classification category. If one person in classification, list them as 100% for "% Assigned"

Consultant's Independent Cost Estimate for CE Services  
Staffing Plan

## CONSTRUCTION ENGINEERING SERVICES Consultant's Estimate of Hours

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-5241(5)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **E & A Consulting Group, Inc**  
 Consultant Project Manager: **Fred Beck**  
 Phone/Email: **402 420-7217 fbeck@eacg.com**  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402 326-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: **March 10, 2015**

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TASKS	PERSONNEL CLASSIFICATIONS**											Total
	PR	PM	ENG	DES	SCC	SCM	RLS	INSP	ADM			
For Construction Engineering Services:												
1. Project Management and Coordination												
1.1 Project Management	1	26										27
Subtotal	1	26										27
2. Meetings												
2.1 Construction Meeting (10)		20	15									35
2.2 Pre-Construction Meeting		3										3
2.3 Site Visit (10)		10	10									20
2.4 Public Meeting		4	3	6								13
Subtotal		37	28	6								71
3. Question & Answer												
3.1 Provide Answers to Design Related Questions		8	15									23
Subtotal		8	15									23
4. Settlement Review												
4.1 Review Settlement Data and Provide Input												
Subtotal												
5. Shop Drawing Review												
5.1 Review Shop Drawings		4										4
Subtotal		4										4
6. Set Property Pins												
6.1 Set Property Pins for Tract 27					6	6	1					13
Subtotal					6	6	1					13
7. Culvert List												
7.1 Prepare Culvert Order List			4									4
Subtotal			4									4
8. Plan Revision												
8.1 Prepare Plan Revision (2)												
Subtotal												
Total Hours	1	75	47	6	6	6	1					142
Total Days (8 hrs)	0.1	9.4	5.9	0.8	0.8	0.8	0.1					17.8
Total Travel Time												
Total Hours minus Travel Time	1	75	47	6	6	6	1					142

Consultant's Independent Cost Estimate for CE Services  
 Estimate of Hours

## CONSTRUCTION ENGINEERING SERVICES Direct Expenses

Project Name: 56th Street, Shadow Pines to Old Cheney  
 Project Number: LCLC-8241(6)  
 Control Number: 13141  
 Location (City, County): Lincoln, Lancaster County  
 Firm Name: E & A Consulting Group, Inc.  
 Consultant Project Manager: Fred Beck  
 Phone/Email: 402 420-7217 fbeck@eaog.com  
 LPA Responsible Charge: Kris Humphrey  
 Phone/Email: 402 326-1176 khumphrey@lincoln.ne.gov  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: March 10, 2015

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Subconsultants:	Quantity	Unit Cost	Amount
Schemmer	1	\$8,608.14	\$8,608.14
Mainelli Wagner	1	\$7,895.51	\$7,895.51
Subtotal			\$17,503.65

Printing and Reproduction:	Quantity	Unit Cost	Amount
Subtotal			

Mileage/Travel:	Quantity	Unit Cost	Amount
Subtotal			

Lodging/Meals:	Quantity	Unit Cost	Amount
Subtotal			

Material Testing:	Quantity	Unit Cost	Amount	Material Testing:	Quantity	Unit Cost	Amount
Subtotal				Subtotal			

Other Miscellaneous Costs:	Quantity	Unit Cost	Amount
Subtotal			
TOTAL DIRECT EXPENSES			\$17,503.65

## CONSTRUCTION ENGINEERING SERVICES Cost by Task

Project Name: **58th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-6241(6)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **E & A Consulting Group, Inc.**  
 Consultant Project Manager: **Fred Beck**  
 Phone/Email: **402 420-7217 fbeck@eacg.com**  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402 326-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: **March 10, 2015**

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Tasks	Total Hours	Direct Labor Cost	Overhead 162.11%	Fee for Profit 12.69%	Total Project Cost
<b>For Construction Engineering Services:</b>					
1. Project Management and Coordination	27	\$1,515.09	\$2,456.11	\$500.37	\$4,471.57
2. Meetings	71	\$3,197.91	\$5,184.13	\$1,056.14	\$9,438.18
3. Question & Answer	23	\$992.15	\$1,608.37	\$327.67	\$2,928.19
4. Settlement Review					
5. Shop Drawing Review	4	\$223.00	\$361.51	\$73.65	\$658.16
6. Set Property Pins	13	\$289.41	\$469.16	\$95.58	\$854.15
7. Culvert List	4	\$145.64	\$236.10	\$48.10	\$429.84
8. Plan Revision					
9. Construction Inspection					
10. Perform Material Sampling and Testing					
11. As-Built Drawings					
12. Final Inspections					
13. Project Closeout					
14. Other					
Direct Expenses					\$17,503.65
<b>TOTAL</b>	<b>142</b>	<b>\$6,363.20</b>	<b>\$10,316.38</b>	<b>\$2,101.61</b>	<b>\$36,283.74</b>

## CONSTRUCTION ENGINEERING SERVICES Project Cost

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-5241(5)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **E & A Consulting Group, Inc.**  
 Consultant Project Manager: **Fred Beck**  
 Phone/Email: **402 420-7217 fbeck@eacg.com**  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402 326-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: **March 10, 2015**

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Direct Labor Costs:			
Personnel Classification	Hours	Rate	Amount
Principal	1	\$65.59	\$65.59
Project Manager	75	\$55.75	\$4,181.25
Engineer	47	\$36.41	\$1,711.27
Designer/CADD Technician	6	\$19.26	\$115.56
Survey Crew Chief	6	\$23.89	\$142.14
Survey Crew Member	6	\$17.51	\$105.06
Registered Surveyor	1	\$42.21	\$42.21
Inspector 1			
Administrative			
<b>TOTALS</b>	<b>142</b>		<b>\$6,363.20</b>

Direct Expenses:		Amount
Subconsultants		\$17,503.65
Printing and Reproduction Costs		
Mileage/Travel		
Lodging/Meals		
Material Testing		
Other Miscellaneous Costs		
<b>TOTALS</b>		<b>\$17,503.65</b>

Total Project Costs:		Amount
Direct Labor Costs		\$6,363.20
Overhead @ 162.11%		\$10,315.38
Total Labor Costs		\$16,678.58
Fee for Profit Rate ( 12.60%)		\$2,101.50
Direct Expenses		\$17,503.65
<b>PROJECT COST</b>		<b>\$36,283.73</b>

## CONSTRUCTION ENGINEERING SERVICES Staffing Plan

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-5241(6)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **Manell Wagner & Associates, Inc.**  
 Consultant Project Manager: **Jeff Wagner**  
 Phone/Email: **402-421-1717**  
 LPA Responsible Charge: **Kia Humphrey**  
 Phone/Email: **402-326-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator:  
 Phone/Email:  
 Date: **March 10, 2016**

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Code	Classification Title	Hours	Blended Rate	Amount
PR	Principal			
PM	Project Manager	22	\$63.20	\$1,390.40
ENG	Engineer	52	\$27.20	\$1,414.40
DES	Designer/CADD Technician		\$18.70	
SCC	Survey Crew Chief			
SCM	Survey Crew Member			
INSP 2	Inspector 2			
INSP 1	Inspector 1			
ADM	Administrative			
<b>TOTALS</b>		<b>74</b>		<b>\$2,804.80</b>

Overhead Rate\*: **150.00%**      Fee for Profit Rate\*: **12.00%**

\* Enter firm's most recent Audited Overhead Rate, and Fee for Profit Rate calculated from the NDOR Fixed Fee Worksheet (available on the NDOR website).

### CLASSIFICATIONS\*\*:

PR = Principal	SCC = Survey Crew Chief	ADM = Administrative
PM = Project Manager	SCM = Survey Crew Member	UD1 = User Defined 1
ENG = Engineer	INSP 2 = Inspector 2	UD2 = User Defined 2
DES = Designer/CADD Technician	INSP 1 = Inspector 1	

\*\* For User-Defined Classifications, you will need to edit the Classifications Legend located above. To enter a new classification, replace "UD1" with its abbreviation (ex. GRA) and replace "User Defined 1" with the corresponding title (ex. Graphic Artist). Once the user-definitions are added, they will self-populate in the Labor Costs Table, as well as the remaining sheets.

### Blended Rates Table

EMPLOYEE NAME		STAFFING PLAN CLASSIFICATION & CERTIFICATIONS		SALARY RATE	% ASSIGNED <sup>2</sup>
Principal					
				Blended Rate:	
Project Manager					
Jeff Wagner				\$63.00	40%
Matt Manning				\$50.00	60%
				Blended Rate:	\$63.20
Engineer					
Tyler Cramer				\$29.00	60%
Dan Alexander				\$24.50	40%
				Blended Rate:	\$27.20
Designer/CADD Technician					
Nate Atkins				\$18.70	100%
				Blended Rate:	\$18.70
Survey Crew Chief					
				Blended Rate:	
Survey Crew Member					
				Blended Rate:	
Inspector 2					
				Blended Rate:	
Inspector 1					
				Blended Rate:	
Administrative					
				Blended Rate:	
				Blended Rate:	
				Blended Rate:	
				Blended Rate:	

<sup>1</sup> Input actual employee classification as designated by firm. Also enter in any certifications that employee holds.

<sup>2</sup> Total of % Assigned must equal 100% for each personnel classification category. If one person in classification, list them as 100% for % Assigned.

Consultant's Independent Cost Estimate for CE Services  
Staffing Plan



## CONSTRUCTION ENGINEERING SERVICES Consultant's Estimate of Hours

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-6241(6)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **Manelli Wagner & Associates, Inc.**  
 Consultant Project Manager: **Jeff Wagner**  
 Phone/Email: **402-421-1717**  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402-326-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator:  
 Phone/Email:  
 Date: **March 10, 2015**

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TASKS	PERSONNEL CLASSIFICATIONS**										Total	
	PR	PM	ENG	DES	SCC	SCN	INSP	INSP 1	ADM			
For Construction Engineering Services:												
1. Project Management and Coordination												
1.1 Project Management												
Subtotal												
2. Meetings												
2.1 Construction Meeting (3)			12	12							24	
2.2 Pre-Construction Meeting			4	4							8	
2.3 Site Visit (3)				12							12	
2.4 Public Meeting												
Subtotal			16	28							44	
3. Question & Answer												
3.1 Provide Answers to Design Related Questions			4	8							12	
Subtotal			4	8							12	
4. Settlement Review												
4.1 Review Settlement Data and Provide Input												
Subtotal												
5. Shop Drawing Review												
5.1 Review Shop Drawings			2	16							18	
Subtotal			2	16							18	
6. Set Property Pins												
6.1 Set Property Pins for Tract 27												
Subtotal												
7. Culvert List												
7.1 Prepare Culvert Order List												
Subtotal												
8. Plan Revision												
8.1 Prepare Plan Revision (1)												
Subtotal												
Total Hours			22	62							74	
Total Days (8 hrs)			2.8	6.5							9.3	
Total Travel Time												
Total Hours minus Travel Time			22	62							74	

## CONSTRUCTION ENGINEERING SERVICES Cost by Task

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-6241(6)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **Mainelli Wagner & Associates, Inc.**  
 Consultant Project Manager: **Jeff Wagner**  
 Phone/Email: **402-421-1717**  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402 328-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: **March 10, 2015**

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Tasks	Total Hours	Direct Labor Cost	Overhead 186.00%	Fee for Profit 12.50%	Total Project Cost
<b>For Construction Engineering Services:</b>					
1. Project Management and Coordination					
2. Meetings	44	\$1,772.80	\$2,859.20	\$558.43	\$4,990.43
3. Question & Answer	12	\$470.40	\$705.60	\$148.18	\$1,324.18
4. Settlement Review					
5. Shop Drawing Review	18	\$561.60	\$842.40	\$176.90	\$1,580.90
6. Set Property Pins					
7. Culvert List					
8. Plan Revision					
9. Construction Inspection					
10. Perform Material Sampling and Testing					
11. As-Built Drawings					
12. Final Inspections					
13. Project Closeout					
14. Other					
Direct Expenses					
<b>TOTAL</b>	<b>74</b>	<b>\$2,804.80</b>	<b>\$4,207.20</b>	<b>\$883.61</b>	<b>\$7,895.61</b>

## CONSTRUCTION ENGINEERING SERVICES Project Cost

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-5241(5)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **Mairrell Wagner & Associates, Inc.**  
 Consultant Project Manager: **Jeff Wagner**  
 Phone/Email: **402-421-1717**  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402 326-1176 khumphrey@lincoln ne.gov**  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: **March 10, 2015**

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Direct Labor Costs:	Hours	Rate	Amount
<b>Personal Classification</b>			
Principal			
Project Manager	22	\$63.20	\$1,390.40
Engineer	52	\$27.20	\$1,414.40
Designer/CADD Technician		\$18.70	
Survey Crew Chief			
Survey Crew Member			
Inspector 2			
Inspector 1			
Administrative			
<b>TOTALS</b>	<b>74</b>		<b>\$2,804.80</b>

Direct Expenses:	Amount
Subconsultants	
Printing and Reproduction Costs	
Mileage/Travel	
Lodging/Meals	
Material Testing	
Other Miscellaneous Costs	
<b>TOTALS</b>	

Total Project Costs:	Amount
Direct Labor Costs	\$2,804.80
Overhead @ 150.00%	\$4,207.20
Total Labor Costs	\$7,012.00
Fee for Profit Rate @ 12.60%	\$883.51
Direct Expenses	
<b>PROJECT COST</b>	<b>\$7,895.51</b>

## CONSTRUCTION ENGINEERING SERVICES Staffing Plan

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-5241(5)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **The Schommer Associates**  
 Consultant Project Manager: **Mark Lutzsharms**  
 Phone/Email: \_\_\_\_\_  
 LPA Responsible Charge: **Kira Humphrey**  
 Phone/Email: **402 326-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: **March 10, 2015**

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Labor Code	Classification Title	Hours	Blended Rate	Amount
PR	Principal			
PM	Project Manager	16	\$50.00	\$800.00
ENG	Engineer	49	\$45.91	\$2,249.59
DES	Designer/CADD Technician		\$22.28	
SCC	Survey Crew Chief			
SCM	Survey Crew Member			
INSP 2	Inspector 2			
INSP 1	Inspector 1			
ADM	Administrative			
<b>TOTALS</b>		<b>65</b>		<b>\$3,049.59</b>

Overhead Rate\*: 171.70%      Fee for Profit Rate\*: 12.80%

\* Enter firm's most recent Audited Overhead Rate, and Fee for Profit Rate calculated from the NDOR Fixed Fee Worksheet (available on the NDOR website).

### CLASSIFICATIONS:

PR = Principal	SCC = Survey Crew Chief	ADM = Administrative
PM = Project Manager	SCM = Survey Crew Member	UD1 = User Defined 1
ENG = Engineer	INSP 2 = Inspector 2	UD2 = User Defined 2
DES = Designer/CADD Technician	INSP 1 = Inspector 1	

\*\* For User-Defined Classifications, you will need to edit the Classifications Legend located above. To enter a new classification, replace "UD1" with its abbreviation (ex. GRA) and replace "User Defined 1" with the corresponding title (ex. Graphic Artist). Once the user-definitions are added, they will self-populate in the Labor Costs Table, as well as the remaining sheets.

### Blended Rates Table

STAFFING PLAN			
EMPLOYEE NAME	CLASSIFICATION <sup>1</sup> & CERTIFICATIONS	SALARY RATE	% ASSIGNED <sup>2</sup>
<b>Principal</b>			
_____	_____	_____	_____
_____	_____	_____	_____
		Blended Rate:	_____
<b>Project Manager</b>			
Mark Lutzsharms	Project Manager	\$50.00	100%
_____	_____	_____	_____
		Blended Rate:	\$50.00
<b>Engineer</b>			
Loren Klotzmann	Senior Geotechnical Engineer	\$46.55	60%
Joe Binge	Electrical Engineer	\$44.96	40%
_____	_____	_____	_____
		Blended Rate:	\$45.91
<b>Designer/CADD Technician</b>			
Megan Stanner	CADD Technician	\$22.28	100%
_____	_____	_____	_____
		Blended Rate:	\$22.28
<b>Survey Crew Chief</b>			
_____	_____	_____	_____
		Blended Rate:	_____
<b>Survey Crew Member</b>			
_____	_____	_____	_____
		Blended Rate:	_____
<b>Inspector 2</b>			
_____	_____	_____	_____
		Blended Rate:	_____
<b>Inspector 1</b>			
_____	_____	_____	_____
		Blended Rate:	_____
<b>Administrative</b>			
_____	_____	_____	_____
		Blended Rate:	_____
_____	_____	_____	_____
		Blended Rate:	_____
_____	_____	_____	_____
		Blended Rate:	_____

<sup>1</sup> Input actual employee classification as designated by firm. Also enter in any certifications that employee holds.

<sup>2</sup> Total of % Assigned must equal 100% for each personnel classification category. If one person in classification, list them as 100% for % Assigned.  
 Consultant's Independent Cost Estimate for CE Services  
 Staffing Plan

## CONSTRUCTION ENGINEERING SERVICES Consultant's Estimate of Hours

Project Name: 56th Street, Shadow Pines to Old Cheney  
 Project Number: LCLC-5241(5)  
 Control Number: 13141  
 Location (City, County): Lincoln, Lancaster County  
 Firm Name: The Schemmer Associates  
 Consultant Project Manager: Mark Lufsharms  
 Phone/Email: \_\_\_\_\_  
 LPA Responsible Charge: Kris Humphrey  
 Phone/Email: 402-326-1178 kthumphrey@lincoln.ne.gov  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: March 10, 2015

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TASKS	PERSONNEL CLASSIFICATIONS**											Total
	PR	PM	ENG	DES	SCC	SCM	INSP	JNRP	ADM			
For Construction Engineering Services:												
1. Project Management and Coordination												
1.1 Project Management			16									16
Subtotal			16									16
2. Meetings												
2.1 Construction Meeting (3)				12								12
2.2 Pre-Construction Meeting				10								10
2.3 Site Visit (3)				8								8
2.4 Public Meeting												
Subtotal				30								30
3. Question & Answer												
3.1 Provide Answers to Design Related Questions												
Subtotal												
4. Settlement Review												
4.1 Review Settlement Data and Provide Input				9								9
Subtotal				9								9
5. Shop Drawing Review												
5.1 Review Shop Drawings				10								10
Subtotal				10								10
6. Set Property Pins												
6.1 Set Property Pins for Tract 27												
Subtotal												
7. Culvert List												
7.1 Prepare Culvert Order List												
Subtotal												
8. Plan Revision												
8.1 Prepare Plan Revision (2)												
Subtotal												
Total Hours			16	49								65
Total Days (8 hrs)			2.0	6.1								8.1
Total Travel Time												
Total Hours minus Travel Time			16	49								65

Consultant's Independent Cost Estimate for CE Services  
 Estimate of Hours

Project Name: 66th Street, Shadow Pines to Old Cheney  
Project Number: LCLC-5241(S)  
Control Number: 13141  
Location (City, County): Lincoln, Lancaster County  
Firm Name: The Schemmer Associates  
Consultant Project Manager: Mark Lugehams  
Phone/Email: \_\_\_\_\_  
LPA Responsible Charge: Kris Humphrey  
Phone/Email: 402.328-1176 khumphrey@lincoln.ne.gov  
NDOR Project Coordinator: \_\_\_\_\_  
Phone/Email: \_\_\_\_\_  
Date: March 10, 2015

<b>Subconsultants:</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>Subtotal</b>			
<b>Printing and Reproduction:</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>Subtotal</b>			
<b>Mileage/Travel:</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
Engineer mileage	480	\$0.69	\$278.40
<b>Subtotal</b>			\$278.40
<b>Lodging/Meals:</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>Subtotal</b>			
<b>Material Testing:</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>Subtotal</b>			
<b>Other Miscellaneous Costs:</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount</b>
<b>Subtotal</b>			
<b>TOTAL DIRECT EXPENSES</b>			<b>\$278.40</b>

## CONSTRUCTION ENGINEERING SERVICES Cost by Task

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-S241(S)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **The Schenmer Associates**  
 Consultant Project Manager: **Mark Luftharms**  
 Phone/Email: \_\_\_\_\_  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402 326-1176 khumphrey@lincoln.ne.gov**  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: **March 10, 2015**

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Tasks	Total Hours	Direct Labor Cost	Overhead 171.76%	Fee for Profit 12.60%	Total Project Cost
<b>For Construction Engineering Services:</b>					
1. Project Management and Coordination	16	\$600.00	\$1,373.80	\$273.87	\$2,447.47
2. Meetings	30	\$1,377.30	\$2,364.82	\$471.51	\$4,213.63
3. Question & Answer					
4. Settlement Review	9	\$413.10	\$709.45	\$141.45	\$1,264.00
5. Shop Drawing Review	10	\$458.10	\$788.27	\$157.17	\$1,404.54
6. Set Property Pins					
7. Culvert List					
8. Plan Revision					
9. Construction Inspection					
10. Perform Material Sampling and Testing					
11. As-Built Drawings					
12. Final Inspections					
13. Project Closeout					
14. Other					
Direct Expenses					\$278.40
<b>TOTAL</b>	<b>65</b>	<b>\$3,048.59</b>	<b>\$5,236.14</b>	<b>\$1,044.00</b>	<b>\$9,608.13</b>

## CONSTRUCTION ENGINEERING SERVICES Project Cost

Project Name: **56th Street, Shadow Pines to Old Cheney**  
 Project Number: **LCLC-5241(S)**  
 Control Number: **13141**  
 Location (City, County): **Lincoln, Lancaster County**  
 Firm Name: **The Schemmer Associates**  
 Consultant Project Manager: **Mark Lugehams**  
 Phone/Email: \_\_\_\_\_  
 LPA Responsible Charge: **Kris Humphrey**  
 Phone/Email: **402-326-1176 khumphrey@lincoln-ne.gov**  
 NDOR Project Coordinator: \_\_\_\_\_  
 Phone/Email: \_\_\_\_\_  
 Date: **March 10, 2015**

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Direct Labor Costs:			
Personnel Classification	Hours	Rate	Amount
Principal			
Project Manager	16	\$50.00	\$800.00
Engineer	49	\$45.91	\$2,249.59
Designer/CADD Technician		\$22.28	
Survey Crew Chief			
Survey Crew Member			
Inspector 2			
Inspector 1			
Administrative			
<b>TOTALS</b>	<b>65</b>		<b>\$3,049.59</b>

Direct Expenses:		Amount
Subconsultants		
Printing and Reproduction Costs		
Mileage/Travel		\$278.40
Lodging/Meals		
Material Testing		
Other Miscellaneous Costs		
<b>TOTALS</b>		<b>\$278.40</b>

Total Project Costs:		Amount
Direct Labor Costs		\$3,049.59
Overhead @ 171.70%		\$5,236.15
Total Labor Costs		\$8,285.74
Fee for Profit Rate ( 12.60%)		\$1,044.00
Direct Expenses		\$278.40
<b>PROJECT COST</b>		<b>\$9,608.14</b>



Contract ID: 14118  
Contract Number: 14118-000  
Project Number: 14118-000  
Project Name: 14118-000  
Type of Work: ROAD CONSTRUCTION  
Testing Date: 7/27/2015  
Tested By: January 1, 2015

These are proposed quantities for materials that need to be tested for this project.  
Items that require certifications or values of compliance are not listed. Please refer to Materials Sample Guide for these items and the frequency of materials that need to be  
submitted to NDOT for verification testing.

EXHIBIT "A"

Group / Location	Item Code	Description	Quantity	Unit	Test Description	Frequency of Tests	Comments	Codebook
GROUP 1: BASE COURSE	0001	ASPHALT/CEMENT PORTLAND CEMENT CONCRETE	4729.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0002	Sub Density - 1 inch fill			Field Density Test	55		600100
	0003	LABORATORY FOR APPROVED TESTS/TESTS/QUANTITIES	4682.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0004	Sub Density - 1 inch fill			Field Density Test	9		600100
	0005	CONCRETE/CEMENT PORTLAND CEMENT CONCRETE	321.000	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0006	Sub Density - 1 inch fill			Field Density Test	4		600100
	0007	LABORATORY FOR APPROVED TESTS/TESTS/QUANTITIES	8.000	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0008	Sub Density - 1 inch fill			Field Density Test	4		600100
	0009	CONCRETE/CEMENT PORTLAND CEMENT CONCRETE	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0010	Sub Density - 1 inch fill			Field Density Test	1		600100
GROUP 2: CONCRETE RETAINING WALL	0011	CONCRETE RETAINING WALL	482.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0012	Sub Density - 1 inch fill			Field Density Test	1		600100
	0013	LABORATORY FOR APPROVED TESTS/TESTS/QUANTITIES	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0014	Sub Density - 1 inch fill			Field Density Test	1		600100
	0015	CONCRETE/CEMENT PORTLAND CEMENT CONCRETE	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0016	Sub Density - 1 inch fill			Field Density Test	1		600100
	0017	LABORATORY FOR APPROVED TESTS/TESTS/QUANTITIES	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0018	Sub Density - 1 inch fill			Field Density Test	1		600100
	0019	CONCRETE/CEMENT PORTLAND CEMENT CONCRETE	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0020	Sub Density - 1 inch fill			Field Density Test	1		600100
GROUP 3: CONCRETE RETAINING WALL	0021	CONCRETE RETAINING WALL	482.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0022	Sub Density - 1 inch fill			Field Density Test	1		600100
	0023	LABORATORY FOR APPROVED TESTS/TESTS/QUANTITIES	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0024	Sub Density - 1 inch fill			Field Density Test	1		600100
	0025	CONCRETE/CEMENT PORTLAND CEMENT CONCRETE	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0026	Sub Density - 1 inch fill			Field Density Test	1		600100
	0027	LABORATORY FOR APPROVED TESTS/TESTS/QUANTITIES	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0028	Sub Density - 1 inch fill			Field Density Test	1		600100
	0029	CONCRETE/CEMENT PORTLAND CEMENT CONCRETE	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0030	Sub Density - 1 inch fill			Field Density Test	1		600100
GROUP 4: CONCRETE RETAINING WALL	0031	CONCRETE RETAINING WALL	482.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0032	Sub Density - 1 inch fill			Field Density Test	1		600100
	0033	LABORATORY FOR APPROVED TESTS/TESTS/QUANTITIES	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0034	Sub Density - 1 inch fill			Field Density Test	1		600100
	0035	CONCRETE/CEMENT PORTLAND CEMENT CONCRETE	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0036	Sub Density - 1 inch fill			Field Density Test	1		600100
	0037	LABORATORY FOR APPROVED TESTS/TESTS/QUANTITIES	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0038	Sub Density - 1 inch fill			Field Density Test	1		600100
	0039	CONCRETE/CEMENT PORTLAND CEMENT CONCRETE	1082.200	CY	Lab Standard Proctor Test	1	In place moisture density tests for each 1500' or less, depending on soil type or as needed to indicate by change in soil material	600100
	0040	Sub Density - 1 inch fill			Field Density Test	1		600100

Contract Number: 13545 000  
Project Number: ECCC-52A155  
Location: 56TH ST, SHADOW PARS TO OLD CHENNY, LINCOLN  
Type of Work: GROUND CONIC PAVE CURB WATER SAN ELEC SIGN  
Bidding Date: 2/26/2015  
MWS Version January 5, 2015

EXHIBIT "A"

Group	Item Name	Item Code	Description	Quantity	Unit	Test Description	Number of Test Items	Comments	Substance
0015 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. CLASS 919 3500 BENTON	3001.31		346.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 16 BACON
	Reported with others								
	Waste Generated Core Composite Field Sample CONCENTR. CLASS 919 3500 BENTON 346.000	3001.32		1237.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 16 BACON
	1 Year								
0016 Asbestos	Waste Generated Core Composite Field Sample CONCENTR. CLASS 419 3500 DRYWALL	3001.33		462.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 15 BACON
	Reported with others								
	Waste Generated Core Composite Field Sample CONCENTR. CLASS 419 3500 DRYWALL	3001.34		80.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 15 BACON
	1 Year								
0019 Asbestos	Waste Generated Core Composite Field Sample CONCENTR. CLASS 419 3500 BENTON	3001.37		266.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 15 BACON
	Reported with others								
	Waste Generated Core Composite Field Sample CONCENTR. CLASS 419 3500 BENTON	3001.38		706.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 15 BACON
	1 Year								
0021 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.13		187.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 15 BACON
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.14		56: 15 BACON					
	1 Year								
0022 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.15		56: 15 BACON					
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.16		56: 15 BACON					
	1 Year								
0023 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.42		4432.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 15 BACON
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.43		56: 15 BACON					
	1 Year								
0024 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.44		2662.000	5Y	Sample for Quality	1	Sample required if from a non approved stock	56: 15 BACON
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.45		56: 15 BACON					
	1 Year								
0025 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.46		56: 15 BACON					
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.47		56: 15 BACON					
	1 Year								
0026 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.48		56: 15 BACON					
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.49		56: 15 BACON					
	1 Year								
0027 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.50		56: 15 BACON					
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.51		56: 15 BACON					
	1 Year								
0028 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.52		56: 15 BACON					
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.53		56: 15 BACON					
	1 Year								
0029 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.54		56: 15 BACON					
	Reported with others								
	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3500	3001.55		56: 15 BACON					
	1 Year								
0030 Asbestos	Waste Generated Core Composite Field Sample 9 CONCENTR. PAYMENT, CLASS 419 3								

Page 3 of 3

State of Nevada Department of Public  
 Works  
 Regional Sampling and Testing Laboratory  
 Contract ID 15141  
 Contract Number 15141-001  
 Project Name: 2015-2016  
 Location: SOUTH SHAWAN PARKS TO OLD CHURCH, LINCOLN  
 Type of Work: GRAB CONCRETE FROM EXISTING AND NEW  
 Testing Date: 7/26/2015  
 Test Location: January 1, 2015

These are preliminary quantities for informational needs to be used for this project.  
 Items that require confirmation on nature of compliance are not listed. Please refer to Material Sampling Outline for those items and for frequency of revision that need to be  
 submitted to DPH for verification testing.

EXHIBIT "A"

Group	Item Name	Material	Description	Quantity	Unit	Test Description	Number of Tests	Comment	Calibration
GROUP 04 CONCRETE IN STATION	0134	4414.66	CLASS 0134 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0135	4414.66	CLASS 0135 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0136	4414.66	CLASS 0136 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0137	4414.66	CLASS 0137 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
GROUP 05 WATER MAIN AND	0138	4414.66	CLASS 0138 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0139	4414.66	CLASS 0139 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0140	4414.66	CLASS 0140 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0141	4414.66	CLASS 0141 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
GROUP 06 ELECTRICAL	0142	4414.66	CLASS 0142 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0143	4414.66	CLASS 0143 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0144	4414.66	CLASS 0144 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0145	4414.66	CLASS 0145 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
GROUP 07 WATER MAIN AND	0146	4414.66	CLASS 0146 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0147	4414.66	CLASS 0147 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0148	4414.66	CLASS 0148 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0149	4414.66	CLASS 0149 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
GROUP 08 ELECTRICAL	0150	4414.66	CLASS 0150 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0151	4414.66	CLASS 0151 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0152	4414.66	CLASS 0152 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16
	0153	4414.66	CLASS 0153 CONCRETE FOR BOX CULVERT	1402.500	CY	Agg. Test Results	61	no type of aggregate is indicated by change in mix material	50-16

by Assistant Professor

**EXHIBIT "A"**

MSE 15, 16 ERASOR

State of Nebraska Department of Roads  
Required Document List

Contract ID 1141X  
Control Number 13141 000  
Project Number LLC-5241(S)  
Location 56TH ST, SHADOW PINES TO OLD CHENEY, LINCOLN  
Type of Work GRAD CONC PAVE CULV WATER SAN ELEC SIGN  
Letting Date 2/26/2015  
SG Version January 1, 2015

DISCLAIMER: This document may not include all material requirements for this project. Please refer to the Materials Sampling Guide for a comprehensive list of the material requirements. This document will not reflect any changes made to the project after

Legend	
TOS	Test or Sample
CC	Contractor's Certification
MC	Manufacturer Certification
COC	Certification of Compliance
COT	Certification of Test
APL	Approved Products List
PMV	Project Manager's Verification
SP	Special Provisions
NSS	Nebraska Standard Specification
MA	M&R Approval
SG	Material Sampling Guide
SR	Shipping Report

Group	Line Item	Item Code	Description	Quantity	Unit	Acceptance Method	Reference Book	M&R Contact
GROUP 1 GR	0001	0030.10	MOBILIZATION	1.000	LS			
	0002	1000.00	LARGE TREE REMOVAL	7.000	EACH			
	0003	1009.00	GENERAL CLEARING AND GRUBBING	1.000	LS			
	0004	1011.00	WATER	142.000	MGAL			
	0005	1030.00	EARTHWORK MEASURED IN EMBANKMENT	47299.000	CY			
			Soil Density-Embankment #					
	0006	1030.02	EMBANKMENT FOR SURCHARGE (ESTABLISHED QU)	4062.000	CY	TOS	SG-9	CH.JRCHWELL
	0007	1101.00	REMOVE PAVEMENT	17479.000	SY			LINDEMANN
	0008	1101.25	SAWING PAVEMENT	594.000	LF			
	0009	1106.00	REMOVE DRIVEWAY	555.000	SY			
	0010	1107.00	REMOVE WALK	1084.000	SY			
	0011	1111.00	REMOVE FENCE	345.000	LF			
	0012	1114.10	REMOVE RETAINING WALL	288.000	LF			
	0013	1116.10	REMOVE POST	21.000	EACH			
	0014	1122.01	REMOVE CONCRETE MEDIAN SURFACING	228.000	SY			
	0015	1136.03	REMOVE POLE AND FOOTING	1.000	EACH			
	0016	1600.00	MONITORING INSTRUMENTATION	1.000	LS	COC	SP-197	LINDEMANN
	0017	1702.18	18" DRIVEWAY CULVERT PIPE, TYPE 3,4 OR 5	35.000	LF	SR	SG-19	KAREL
	0018	2021.05	REMOVE AND RESET MAILBOX	7.000	EACH			
	0019	3010.56	REMOVE & SALVAGE RETAINING WALL	233.000	LF			
	0020	4035.00	REMOVE FLARED-END SECTION	2.000	EACH			
	0021	4093.85	GRAVITY BLOCK WALL	1243.000	SF	COC	SP-136	KRASON
	0022	4095.15	COMPACTED EARTH LEVELING PAD	255.000	LF	TOS	NSS714	CHURCHWELL
	0023	4102.09	CLASS 47B-3500 CONCRETE FOR RETAINING WALL	8.600	CY			
			Class B Aggregate					
			Interground/Blended Cement					
			Portland Cement Concrete					
	0024	4152.20	EPOXY COATED REINFORCING STEEL FOR RETAINING	1040.000	LB			
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#6(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#7(pretested) #			TOS/COT	SG-16	KAREL
	0025	4925.00	NOISE BARRIER	5312.000	SF	COC	SP-199	KRASON
	0026	5899.50	PIPE RAILING 48"	666.000	LF	TOS/COT	NSS716	KAREL
	0027	6310.00	STEEL SHEET PILING	1819.000	SF			
			Steel Sheet Piling			COT	SG-20	KAREL
	0028	6602.35	SPECIAL SURFACE COATING	1180.000	LS	PMV	SP205	KRASON
	0029	7130.85	VINYL FENCE 6"	278.000	LF	TOS	SP-135	KAREL
	0030	7151.60	REMOVE AND RESET STEEL GATE	1.000	EACH			
	0031	8024.50	SELECT GRANULAR BACKFILL FOR RETAINED EARTH	183.000	CY	TOS/COT/COC	NSS714	LINDEMANN
			Soil Density-Select Granular Backfill #			TOS	NSS714	CHURCHWELL
	0032	1006.00	COVER CROP SEEDING	2.500	ACRE			
	0033	1019.13	EROSION CONTROL, CLASS 1D	980.000	SY			
			Erosion Control, Class 1D #					
	0034	1022.11	FABRIC SILT FENCE-LOW POROSITY	3452.000	LF	APL	NSS807	DONDLINGER
			Fabric Silt Fence-Low Porosity #					
	0035	1022.12	FABRIC SILT FENCE-HIGH POROSITY	117.000	LF	APL	NSS809	DONDLINGER
			Fabric Silt Fence-High Porosity #					
	0036	1022.82	SILT CHECK, TYPE 2-LOW	300.000	LF	APL	NSS809	DONDLINGER
	0037	1022.83	SILT CHECK, TYPE 2-HIGH	42.000	LF	APL	SP-302	DONDLINGER
GROUP 1 GR	0001	0030.10	MOBILIZATION	1.000	LS			
	0007	1101.00	REMOVE PAVEMENT	15.000	SY			
GROUP 1A C-0038	0030.10	0030.10	MOBILIZATION	1.000	LS			
	0039	4054.65	TEMPORARY SHORING	1.000	LS			
	0040	4102.04	CLASS 47BD-4000 CONCRETE FOR RETAINING WALL	462.100	CY			
			Class B Aggregate					
			Class E Aggregate					
			Interground/Blended Cement					
			Portland Cement Concrete					
			White Pigmented Cure Compound-Field User			APL	SG-16	KRASON
	0041	4152.20	EPOXY COATED REINFORCING STEEL FOR RETAINING	45825.000	LB			
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#6(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#7(pretested) #			TOS/COT	SG-16	KAREL
GROUP 1B M-0042	0030.10	0030.10	MOBILIZATION	1.000	LS			
	0043	4054.65	TEMPORARY SHORING	1.000	LS			
	0044	4093.85	GRAVITY BLOCK WALL	3582.000	SF	APL	SP-136	KRASON
	0045	4095.15	COMPACTED EARTH LEVELING PAD	281.000	LF	TOS	NSS714	CHURCHWELL
	0046	8024.50	SELECT GRANULAR BACKFILL FOR RETAINED EARTH	1225.000	CY	TOS/COT/COC	NSS715	LINDEMANN

State of Nebraska Department of Roads  
Required Document List

Contract ID 1141X  
Control Number 13141 000  
Project Number LCLC-5243(S)  
Location 56TH ST, SHADOW PINES TO OLD CHENEY, LINCOLN  
Type of Work GRAD CONC PAVE CULV WATER SAN ELEC SIGN  
Letting Date 2/26/2015  
SG Version January 1, 2015

DISCLAIMER: This document may not include all material requirements for this project. Please refer to the Materials Sampling Guide for a comprehensive list of the material requirements. This document will not reflect any changes made to the project after

Legend	
TOS	Test or Sample
CC	Contractor's Certification
MC	Manufacturer Certification
COC	Certification of Compliance
COT	Certification of Test
APL	Approved Products List
PMV	Project Manager's Verification
SP	Special Provisions
NSS	Nebraska Standard Specification
MA	M&R Approval
SG	Material Sampling Guide
SR	Shipping Report

Group	Line Item	Item Code	Description	Quantity	Unit	Acceptance Method	Reference Book	M&R Contact
GROUP 3 CO	0047	0002.88	GROUND SLEEVE	9.000	EACH	TOS	NSS715	CHURCHWELL
	0048	0030.30	MOBILIZATION	1.000	LS	COT	SP-222	KAREL
	0049	1017.15	SURVEY MONUMENT AND BOX	1.000	EACH	COC	SP-196	KAREL
	0050	2010.03	CRUSHED ROCK SURFACE COURSE	70.000	TON			
			Crushed Rock Surface Course			TOS	SG-6	MACKE
	0051	2021.00	MAILBOX POST	7.000	EACH			
	0052	3008.05	TIE BARS	77.000	EACH			
			Epoxy Resin Bonding System-Grade 3 #			APL	SG-15	KRASON
			Non-Shrink Grout #			APL	SG-15	KRASON
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	NSS1020	KARE.
			Reinforcing Steel-Epoxy-#5(prettested) #			TOS/COT	NSS1020	KARE.
			Reinforcing Steel-Epoxy-#6(prettested) #			TOS/COT	NSS1020	KARE.
	0053	3013.15	CONCRETE CLASS 47B-3500 BARRIER CURB	266.000	LF			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Pref Expansion Jt Filler-Asphalt Type #			APL	SG-16	KRASON
			Pref Expansion Jt Filler-Sponge Rubber #			APL	SG-16	KRASON
			Pref. Expansion Jt Filler - Fiber Type #			APL	SG-16	KRASON
			White Pigmented Cure Compound-Field Use#			APL	SG-16	KRASON
	0054	3016.22	CONCRETE CLASS 47B-3500 SIDEWALKS	2591.000	SY			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Pref Expansion Jt Filler-Asphalt Type #			APL	SG-16	KRASON
			Pref Expansion Jt Filler-Sponge Rubber #			APL	SG-16	KRASON
			Pref. Expansion Jt Filler - Fiber Type #			APL	SG-16	KRASON
			White Pigmented Cure Compound-Field Use#			APL	SG-16	KRASON
	0055	3016.39	DETECTABLE WARNING PANEL	217.000	SF			
			Detectable Warning Panels #			APL	SP-305	KARE.
	0056	3016.65	5" CONCRETE CLASS 47B-3500 BIKEWAY	2319.000	SY	TOS	SG-16	KRASON
	0057	3016.71	6" CONCRETE CLASS 47B-3500 BIKEWAY	340.000	SY			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			White Pigmented Cure Compound-Field Use#			APL	SG-16	KRASON
	0058	3017.39	CONCRETE CLASS 47B-3000 MEDIAN SURFACING	1587.000	SY			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			White Pigmented Cure Compound-Field Use#			APL	SG-16	KRASON
	0059	3020.24	CONCRETE CLASS 47B-3500 DRIVEWAY	492.000	SY			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			White Pigmented Cure Compound-Field Use#			APL	SG-16	KRASON
	0060	3020.37	CONCRETE CLASS 47B-HE-3500 6" DRIVEWAY	50.000	SY			
			Class B Aggregate			TOS	SG-16	MACKE
			Class E Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			White Pigmented Cure Compound-Field Use#			APL	SG-16	KRASON
	0061	3075.12	6" CONCRETE PAVEMENT, CLASS 47B-3500	768.000	SY			
			Class R Aggregate			TOS	SG-15	MACKE
			Epoxy Resin Bonding System-Grade 3 #			APL	SG-15	KRASON
			Hardened Concrete			TOS	SG-15	WEIGEL
			Hot Poured Joint Sealant -Field Use #			APL	SG-15	BYRE
			Interground/Blended Cement			TOS	SG-15	KRASON
			Portland Cement Concrete			TOS	SG-15	KRASON
			Reinforcing Steel - Black - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Black-#5(prettested) #			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Epoxy-#5(prettested) #			TOS/COT	SG-15	KAREL
			White Pigmented Cure Compound-Field Use#			APL	SG-15	KRASON
	0062	3075.15	6" CONCRETE PAVEMENT, CLASS 47B-HE-3500	167.000	SY	TOS	SG-15	KRASON
	0063	3075.42	9" CONCRETE PAVEMENT, CLASS 47B-3500	4432.000	SY			
			Class R Aggregate			TOS	SG-15	MACKE
			Epoxy Resin Bonding System-Grade 3 #			APL	SG-15	KRASON
			Hardened Concrete			TOS	SG-15	WEIGEL

State of Nebraska Department of Roads  
Required Document List

Contract ID 1141X  
Control Number 13141 000  
Project Number LCLC-3243(S)  
Location 56TH ST, SHADOW PINES TO OLD CHENEY, LINCOLN  
Type of Work GRAD CONC PAVE CULV WATER SAN ELEC SIGN  
Letting Date 2/26/2015  
SG Version January 1, 2015

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SP	Special Provisions
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MA	M&R Approval
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Group	Line Item	Item Code	Description	Quantity	Unit	Acceptance Method	Reference Book	M&R Contact
			Hot Poured Joint Sealant - Field Use #			APL	SG-15	BYRE
			Interground/Blended Cement			TOS	SG-15	KRASOV
			Portland Cement Concrete			TOS	SG-15	KRASOV
			Reinforcing Steel - Black - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Black-#5(pretested) #			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-15	KAREL
			White Pigmented Cure Compound-Field Use#			APL	SG-15	KRASOV
0064	3075.46	9"	DOWELED CONCRETE PAVEMENT, CLASS 47B-35( 19058.000	SY				
			Class R Aggregate			TOS	SG-15	MACKE
			Epoxy Resin Bonding System-Grade 3 #			APL	SG-15	KRASOV
			Hardened Concrete			TOS	SG-15	WEIGEL
			Hot Poured Joint Sealant - Field Use #			APL	SG-15	BYRE
			Interground/Blended Cement			TOS	SG-15	KRASOV
			Portland Cement Concrete			TOS	SG-15	KRASOV
			Reinforcing Steel - Black - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Black-#5(pretested) #			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-15	KAREL
			White Pigmented Cure Compound-Field Use#			APL	SG-15	KRASOV
			Reinforcing Steel-Epoxy-1X (pretested) #			TOS/COT	SG-15	KAREL
0065	3091.19	9"	CONCRETE PAVEMENT, CLASS 47B-HE-3500	1404.000	SY			
			Class B Aggregate			TOS	SG-15	MACKE
			Class E Aggregate			TOS	SG-15	MACKE
			Epoxy Resin Bonding System-Grade 3 #			APL	SG-15	KRASOV
			Hot Poured Joint Sealant - Field Use #			APL	SG-15	BYRE
			Interground/Blended Cement			TOS	SG-15	KRASOV
			Portland Cement Concrete			TOS	SG-15	KRASOV
			Reinforcing Steel - Black - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Black-#5(pretested) #			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-15	KAREL
			White Pigmented Cure Compound-Field Use#			APL	SG-15	KRASOV
			Reinforcing Steel-Epoxy-1X (pretested) #			TOS/COT	SG-15	KAREL
0066	3091.25	9"	DOWELED CONCRETE PAVEMENT, CLASS 47B-HE- 924.000	SY				
			Class B Aggregate			TOS	SG-15	MACKE
			Class E Aggregate			TOS	SG-15	MACKE
			Epoxy Resin Bonding System-Grade 3 #			APL	SG-15	KRASOV
			Hot Poured Joint Sealant - Field Use #			APL	SG-15	BYRE
			Interground/Blended Cement			TOS	SG-15	KRASOV
			Portland Cement Concrete			TOS	SG-15	KRASOV
			Reinforcing Steel - Black - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Black-#5(pretested) #			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-15	KAREL
			White Pigmented Cure Compound-Field Use#			APL	SG-15	KRASOV
			Reinforcing Steel-Epoxy-1X (pretested) #			TOS/COT	SG-15	KAREL
0067	4015.00		ADJUST MANHOLE TO GRADE	12.000	EACH			
			Class R Aggregate			TOS	SG-16	MACKE
			Portland Cement Concrete			TOS	SG-16	KRASOV
0068	4025.10		GRATE INLET (PLASTIC)	2.000	EACH	COC		KAREL
0069	4764.06	6"	NONPERFORATED P.V.C. PIPE UNDERDRAIN	8.000	LF	TOS/COC	SG-19	KAREL
			Pipe Underdrain Aggregate			TOS		MACKE
			Pipe Underdrain Fabric #			APL		KAREL
0070	4764.56	6"	PERFORATED P.V.C. PIPE UNDERDRAIN	185.000	LF	TOS/COC	SG-19	KAREL
			Pipe Underdrain Aggregate			TOS		MACKE
			Pipe Underdrain Fabric #			APL		KAREL
0071	4803.12	12"	P.V.C. PIPE	31.000	LF	TOS	SP-289	KAREL
0072	4900.24		AREA INLET SEDIMENT FILTER	3.000	EACH	APL	SP-298	DONDL NGER
			Area Inlet Sediment Filter #			APL		DONDL NGER
0073	4900.25		CURB INLET SEDIMENT FILTER	31.000	EACH	APL	SP-298	DONDL NGER
			Curb Inlet Sediment Filter #			APL		DONDL NGER
0074	7535.04	4"	WHITE POLYUREA PAVEMENT MARKING, GROOV 3976.250	LF		COC	SG-23	DONDL NGER
			Glass Beads-Thermo and Polyurea			APL	SG-23	DONDL NGER
			Polyurea Pavement Marking			APL	SG-23	DONDL NGER
0075	7535.08	8"	WHITE POLYUREA PAVEMENT MARKING, GROOV 476.000	LF		COC	SG-23	DONDL NGER
			Glass Beads-Thermo and Polyurea			APL	SG-23	DONDL NGER
			Polyurea Pavement Marking			APL	SG-23	DONDL NGER
0076	7535.12	12"	WHITE POLYUREA PAVEMENT MARKING, GROOV 66.000	LF		COC	SG-23	DONDL NGER
			Glass Beads-Thermo and Polyurea			APL	SG-23	DONDL NGER
			Polyurea Pavement Marking			APL	SG-23	DONDL NGER



State of Nebraska Department of Roads  
Required Document List

Contract ID 1141X  
Control Number 13141 000  
Project Number LLC-5241(S)  
Location 56TH ST, SHADOW PINES TO OLD CHENEY, UNCOLN  
Type of Work GRAD CONC PAVE CULV WATER SAN ELEC SIGN  
Letting Date 2/26/2015  
SG Version January 1, 2015

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Group	Line Item	Item Code	Description	Quantity	Unit	Acceptance Method	Reference Book	M&R Contact
	0077	7515.24	24" WHITE POLYUREA PAVEMENT MARKING, GROO	72.000	LF			
			Glass Beads-Thermo and Polyurea			COC	SG-23	DONDLINGER
			Polyurea Pavement Marking			APL	SG-23	DONDLINGER
	0078	7519.05	RAILROAD CROSSING SYMBOL, WET REFLECTIVE FRI	3.000	EACH			
			Wet Reflective Pref Pave Marking TypeIv#			APL	SG-23	DONDLINGER
	0079	8091.00	GRANULAR BACKFILL	370.000	CY			
			Soil Density- Granular Backfill #			TOS		CHURCHWELL
			Granular Backfill Aggregate			TOS	SG-13	MACKE
	0080	9009.75	TEMPORARY SURFACING 6"	5338.000	SY			
			Class R Aggregate			TOS	SP-282	MACKE
			Portland Cement Concrete			TOS	SP-282	KRASON
			White Pigmented Cure Compound-Field User			APL	SP-282	KRASON
			Performance Graded Binder (64-22)			TOS	SP-282	BYRE
			Performance Graded Binder (64-28)			TOS	SP-282	BYRE
	0081	9034.00	PREPARATION OF INTERSECTIONS AND DRIVEWAYS	542.000	SY			
	0082	9111.00	WATER	100.000	MGAL			
	0083	9170.00	EARTH SHOULDER CONSTRUCTION	72.882	STA			
	0084	9170.50	MEDIAN CONSTRUCTION	17.050	STA			
	0085	9173.20	SUBGRADE PREPARATION	26644.000	SY			
			Soil Density-Subgrade Preparation #			TOS	SG-10	CHURCHWELL
	0086	L001.03	SEEDING, TYPE C	2.500	ACRE			
	0087	L010.00	SODDING	2569.000	SY			
	0088	L010.15	BUFFALO GRASS SODDING	5915.000	SY			
	0089	L030.80	COMPOST	235.000	CY			
	0090	L032.80	HYDROMULCH	4.000	TON			
	0091	W600.00	ADJUST STOP BOX TO GRADE	5.000	EACH			
	0092	W600.03	ADJUST VALVE BOX TO GRADE	9.000	EACH			
GROUP 3 CO	0048	0030.30	MOBILIZATION	1.000	LS			
	0061	3075.12	6" CONCRETE PAVEMENT, CLASS 47B-3500	15.000	SY			
			Class R Aggregate			TOS	SG-15	MACKE
			Epoxy Resin Bonding System-Grade 3 #			APL	SG-15	KRASON
			Hardened Concrete			TOS	SG-15	WEIGEL
			Hot Poured Joint Sealant - Field Use #			APL	SG-15	BYRE
			Interground/Blended Cement			TOS	SG-15	KRASON
			Portland Cement Concrete			TOS	SG-15	KRASON
			Reinforcing Steel - Black - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Black-#5(pretested) #			TOS/COT	SG-15	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-15	KAREL
			White Pigmented Cure Compound-Field User			APL	SG-15	KRASON
GROUP 4 CU	0093	0030.40	MOBILIZATION	1.000	LS			
	0094	1117.00	REMOVE MANHOLE	2.000	EACH			
	0095	1119.00	REMOVE INLET	7.000	EACH			
	0096	4011.14	CURB INLET	31.000	EACH			
			Class B Aggregate			TOS	SG-16	MACKE
			Class E Aggregate			TOS	SG-16	MACKE
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			White Pigmented Cure Compound-Field User			APL	SG-16	KRASON
	0097	4016.00	MANHOLE AT STATION 102+50.00 RT.	1.000	EACH			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#6(pretested) #			TOS/COT	SG-16	KAREL
	0098	4016.01	MANHOLE AT STATION 111+65.00	1.000	EACH			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#6(pretested) #			TOS/COT	SG-16	KAREL
	0099	4016.02	MANHOLE AT STATION 115+85.00	1.000	EACH			
			Class R Aggregate			TOS	SG-16	MACKE

State of Nebraska Department of Roads  
Required Document List

Contract ID 1141X  
Control Number 13141 000  
Project Number LCLC-5241(5)  
Location 56TH ST, SHADOW PINES TO OLD CHENEY, LINCOLN  
Type of Work GRAD CONC PAVE CULV WATER SAN ELEC SIGN  
Letting Date 2/26/2015  
SG Version January 1, 2015

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Group	Line Item	Item Code	Description	Quantity	Unit	Acceptance Method	Reference Book	M&R Contact
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#6(pretested) #			TOS/COT	SG-16	KAREL
0100	4016.03		MANHOLE AT STATION 115+81.30 LT.	1.000	EACH			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#6(pretested) #			TOS/COT	SG-16	KAREL
0101	4016.04		MANHOLE AT STATION 120+50.00	1.000	EACH			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#6(pretested) #			TOS/COT	SG-16	KAREL
0102	4016.05		MANHOLE AT STATION 122+75.00 LT.	1.000	EACH			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#6(pretested) #			TOS/COT	SG-16	KAREL
0103	4016.06		MANHOLE AT STATION 134+77.30 RT.	1.000	EACH			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
0104	4029.10		GRATE INLET	3.000	EACH	COC	SP-305	KAREL
0105	4035.00		REMOVE FLARED-END SECTION	8.000	EACH			
0106	4043.50		REMOVE SEWER PIPE	607.000	LF			
0107	4045.00		REMOVE STRUCTURE AT STA. 111+07.10	1.000	EACH			
0108	4050.01		EXCAVATION FOR PIPE, PIPE-ARCH CULVERTS, AND	152.000	CY			
0109	4107.07		CLASS 478-3000 CONCRETE FOR CONCRETE COLLAR	1.760	CY			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			White Pigmented Cure Compound-Field User			APL	SG-16	KRASON
0110	4157.00		REINFORCING STEEL FOR COLLARS	135.000	LB			
			Non-Shrink Grout #			APL	SG-16	KRASON
			Reinforcing Steel - Black - Field Sample			TOS	SG-16	KAREL
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Black-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
0111	4230.36		BAR GRATE FOR 36" CONCRETE FLARED-END SECTIC	1.000	EACH			
			Bar Grate			COC	SG-25	KAREL
0112	4230.42		BAR GRATE FOR 42" CONCRETE FLARED-END SECTIC	1.000	EACH	COC	SG-25	KAREL
0113	4460.36		36" CONCRETE FLARED-END SECTION	1.000	EACH			
			Concrete Flared End Section-36 in			SR	SG-19	KAREL
0114	4460.42		42" CONCRETE FLARED-END SECTION	1.000	EACH			
			Concrete Flared End Section-42 in			SR	SG-19	KAREL
0115	P702.15		15" STORM SEWER PIPE, TYPE 1	1359.000	LF			
			Soil Density-Pipe Backfill #			TOS		CHURCHWELL
			Reinf Conc Sewer Pipe 15 in-Class III			SR	SG-19	KAREL
0116	P702.18		18" STORM SEWER PIPE, TYPE 1	1882.000	LF			
			Soil Density-Pipe Backfill #			TOS		CHURCHWELL
			Reinf Conc Sewer Pipe 18 in-Class III			SR	SG-19	KAREL
0117	P702.24		24" STORM SEWER PIPE, TYPE 1	419.000	LF			
			Soil Density-Pipe Backfill #			TOS		CHURCHWELL
			Reinf Conc Sewer Pipe 24 in-Class III			SR	SG-19	KAREL
0118	P702.36		36" STORM SEWER PIPE, TYPE 1	120.000	LF			
			Soil Density-Pipe Backfill #			TOS		CHURCHWELL
			Reinf Conc Sewer Pipe 36 in-Class III			SR	SG-19	KAREL
0119	P702.42		42" STORM SEWER PIPE, TYPE 1	811.000	LF			
			Reinf Conc Sewer Pipe 42 in-Class III			SR	SG-19	KAREL
0120	P708.07		6" STORM SEWER PIPE, TYPE 6, 7 OR 8	434.000	LF			
GROUP 4A C 0121	0030.40		MOBILIZATION	1.000	LS			

State of Nebraska Department of Roads  
Required Document List

Contract ID 1141X  
Control Number 13141 000  
Project Number LCLC-S241(S)  
Location 56TH ST, SHADOW PINES TO OLD CHENEY, LINCOLN  
Type of Work GRAD CONC PAVE CULV WATER SAN ELEC SIGN  
Letting Date 2/26/2015  
SG Version January 1, 2015

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Group	Line Item	Item Code	Description	Quantity	Unit	Acceptance Method	Reference Book	M&R Contact
	0122	4042.80	SKYLIGHT	1.000	EACH	COC	SP-216	KAREL
	0123	4051.01	EXCAVATION FOR BOX CULVERTS	6514.000	CY			
	0124	4101.06	CLASS 47B-3000 CONCRETE FOR BOX CULVERT	1403.500	CY			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
			White Pigmented Cure Compound-Field Used			APL	SG-16	KRASON
	0125	4151.10	EPOXY COATED REINFORCING STEEL FOR BOX CULV	153026.000	LB			
			Reinforcing Steel - Epoxy - Field Sample			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#4(pretested) #			TOS/COT	SG-16	KAREL
			Reinforcing Steel-Epoxy-#5(pretested) #			TOS/COT	SG-16	KAREL
	0126	6040.00	REMOVE STRUCTURE AT STATION 119+18.50	1.000	EACH			
	0127	6052.35	ACCESS CROSSING	1.000	LS			
	0128	8010.03	CRUSHED ROCK FOR BASE COURSE	209.200	CY	TOS	SP-290	MACKE
	0129	P702.18	18" STORM SEWER PIPE, TYPE 1	21.000	LF			
			Soil Density-Pipe Backfill #			TOS		CHURCHWELL
			Reinf Conc Sewer Pipe 18 In-Class III			SR	SG-19	KAREL
	0130	P702.42	42" STORM SEWER PIPE, TYPE 1	4.000	LF			
			Reinf Conc Sewer Pipe 42 In-Class III			SR	SG-19	KAREL
GROUP 4B W	0131	0030.40	MOBILIZATION	1.000	LS			
	0132	1136.07	REMOVE CONCRETE ENCASUREMENT	4.000	LF			
	0137	4795.94	16" PLUG	1.000	EACH	TOS	SP163	KAREL
	0139	4796.00	6" PLUG	1.000	EACH	TOS	SP163	KAREL
	0140	W100.30	UPSIDE 12" TO 16"	208.000	LF	COC	SP163	KAREL
	0144	W176.53	TEMPORARY WATER SERVICE 2"	170.000	LF			
	0145	W180.00	CONCRETE CLASS 47B-3500 FOR BLOCKS AND ANCH	29.260	CY			
			Class R Aggregate			TOS	SG-16	MACKE
			Interground/Blended Cement			TOS	SG-16	KRASON
			Portland Cement Concrete			TOS	SG-16	KRASON
	0146	W180.10	REINFORCING STEEL FOR BLOCKS AND ANCHORAGE	665.300	LB	TOS/COT	SG-16	KAREL
	0147	W200.46	6" RETAINER GLAND	56.000	EACH	COC	SP-166	KAREL
	0148	W200.48	8" RETAINER GLAND	3.000	EACH	COC	SP-166	KAREL
	0151	W200.60	24" RETAINER GLAND	16.000	EACH	COC	SP-166	KAREL
	0152	W200.70	ANCHORING ELBOW, M.J.	3.000	EACH	COC	SP-166	KAREL
	0153	W200.71	ANCHOR COUPLING, M.J.	15.000	EACH	COC	SP-166	KAREL
	0154	W205.06	6" WATER MAIN PIPE	439.000	LF	COC	SP-163	KAREL
			Soil Density-Pipe Backfill #			TOS	SP-163	CHURCHWELL
	0155	W205.08	8" WATER MAIN PIPE	2.000	LF	COC	SP-163	KAREL
			Soil Density-Pipe Backfill #			TOS	SP-163	CHURCHWELL
	0157	W205.16	16" WATER MAIN PIPE	251.000	LF	COC	SP-163	KAREL
	0158	W205.24	24" WATER MAIN PIPE	138.000	LF	COC	SP-163	KAREL
	0159	W205.91	CONCRETE ENCASUREMENT	203.500	LF			
			Class R Aggregate			TOS	SG-16	MACKE
			Portland Cement Concrete			TOS	SG-16	KRASON
			White Pigmented Cure Compound-Field Used			APL	SG-16	KRASON
	0160	W219.36	6" GATE VALVE	17.000	EACH	COC	SP-163	KAREL
	0162	W221.66	16" BUTTERFLY VALVE, M.J.	1.000	EACH	COC	SP-163	KAREL
	0163	W222.15	5 3/4" FIRE HYDRANT	16.000	EACH	COC	SP-163	KAREL
	0164	W350.42	24" X 6" TAPPING SLEEVE AND VALVE	7.000	EACH	COC	SP-163	KAREL
	0165	W355.26	8" SOLID SLEEVE	1.000	EACH	COC	SP-163	KAREL
	0168	W355.40	24" SOLID SLEEVE	4.000	EACH	COC	SP-163	KAREL
	0169	W356.14	8" X 6" TEE	1.000	EACH	COC	SP-163	KAREL
	0170	W356.25	16" X 6" TEE	4.000	EACH	COC	SP-163	KAREL
	0174	W357.16	6" - 45 DEGREE BEND	5.000	EACH	COC	SP-163	KAREL
	0175	W357.20	6" - 90 DEGREE BEND	3.000	EACH	COC	SP-163	KAREL
	0176	W357.48	6" - 11 1/4 DEGREE BEND	5.000	EACH	COC	SP-163	KAREL
	0178	W357.52	6" - 22 1/2 DEGREE BEND	2.000	EACH	COC	SP-163	KAREL
	0181	W357.75	24" - 45 DEGREE BEND	4.000	EACH	COC	SP-163	KAREL
	0183	W700.00	INSTALL WATER SERVICE, CURB STOP AND BOX	7.000	EACH			
	0185	W750.10	REMOVE FIRE HYDRANT	5.000	EACH			
	0186	W800.06	REMOVE GATE VALVE	2.000	EACH			
	0187	W800.12	REMOVE TEE	2.000	EACH			
	0189	W800.21	REMOVE WATER MAIN PIPE	504.000	LF			
	0190	W800.27	REMOVE BUTTERFLY VALVE	1.000	EACH			
	0191	W800.40	REMOVE BEND	5.000	EACH			
GROUP 4B W	0131	0030.40	MOBILIZATION	1.000	LS			
	0133	4042.51	TAPPING EXISTING SANITARY SEWER MANHOLE (RE	2.000	EACH			
	0134	4043.51	REMOVE SANITARY SEWER PIPE	41.000	LF			
	0135	4731.08	8" SANITARY SEWER PIPE	41.000	LF	COC	SP-163	KAREL
	0136	4795.06	8" X 6" P.V.C. WYE (REBUILD SANITARY SEWER SERV	1.000	EACH	COC	SP-163	KAREL

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	0138	4795.98	12" PLUG	1,000	EACH	COC	SP-163	KAREL
	0139	4796.00	6" PLUG	1,000	EACH	COC	SP-163	KAREL
	0140	W100.30	UPSIZE 12" TO 16"	208.000	LF	COC	SP-163	KAREL
	0141	W176.01	1" COPPER WATER SERVICE	214.000	LF	COC	SP-163	KAREL
	0142	W176.05	1 1/4" COPPER WATER SERVICE	89.000	LF	COC	SP-163	KAREL
	0143	W176.12	2" COPPER WATER SERVICE	102.000	LF	COC	SP-163	KAREL
	0145	W180.00	CONCRETE CLASS 478-3500 FOR BLOCKS AND ANCH	10.810	CY			
			Class R Aggregate			TOS	SG-16	MACKS
			Interground/Blended Cement			TOS	SG-16	KRASCN
			Portland Cement Concrete			TOS	SG-16	KRASCN
	0146	W180.10	REINFORCING STEEL FOR BLOCKS AND ANCHORAGE	275.300	LB	TOS/COT	SG-16	KAREL
	0147	W200.46	6" RETAINER GLAND	7.000	EACH	COC	SP-163	KAREL
	0148	W200.48	8" RETAINER GLAND	13.000	EACH	COC	SP-163	KAREL
	0149	W200.52	12" RETAINER GLAND	6.000	EACH	COC	SP-163	KAREL
	0150	W200.56	16" RETAINER GLAND	47.000	EACH	COC	SP-163	KAREL
	0152	W200.70	ANCHORING ELBOW, M.J.	1.000	EACH	COC	SP-163	KAREL
	0153	W200.71	ANCHOR COUPLING, M.J.	2.000	EACH	COC	SP-163	KAREL
	0154	W205.06	6" WATER MAIN PIPE	25.000	LF	COC	SP-163	KAREL
			Soil Density-Pipe Backfill #			TOS	SP-163	CHURCHWELL
	0155	W205.08	8" WATER MAIN PIPE	65.000	LF	COC	SP-163	KAREL
			Soil Density-Pipe Backfill #			TOS	SP-163	CHURCHWELL
	0156	W205.12	12" WATER MAIN PIPE	4.000	LF	COC	SP-163	KAREL
			Soil Density-Pipe Backfill #			TOS	SP-163	CHURCHWELL
	0157	W205.16	16" WATER MAIN PIPE	2420.000	LF	COC	SP-163	KAREL
	0160	W219.36	6" GATE VALVE	2.000	EACH	COC	SP-163	KAREL
	0161	W219.38	8" GATE VALVE	2.000	EACH	COC	SP-163	KAREL
	0162	W221.66	16" BUTTERFLY VALVE, M.J.	6.000	EACH	COC	SP-163	KAREL
	0163	W222.15	5 1/4" FIRE HYDRANT	2.000	EACH	COC	SP-163	KAREL
	0165	W355.26	8" SOLID SLEEVE	2.000	EACH	COC	SP-163	KAREL
	0166	W355.30	12" SOLID SLEEVE M.J.	1.000	EACH	COC	SP-163	KAREL
	0167	W355.35	16" SOLID SLEEVE M.J.	2.000	EACH	COC	SP-163	KAREL
	0170	W356.25	16" X 6" TEE	3.000	EACH	COC	SP-163	KAREL
	0171	W356.26	16" X 12" TEE	1.000	EACH	COC	SP-163	KAREL
	0172	W356.38	16" X 16" TEE	1.000	EACH	COC	SP-163	KAREL
	0173	W356.41	16" X 8" TEE	2.000	EACH	COC	SP-163	KAREL
	0174	W357.16	6" - 45 DEGREE BEND	2.000	EACH	COC	SP-163	KAREL
	0177	W357.49	8" - 11 1/4 DEGREE BEND	1.000	EACH	COC	SP-163	KAREL
	0179	W357.53	16" - 22 1/2 DEGREE BEND, M.J.	6.000	EACH	COC	SP-163	KAREL
	0180	W357.58	16" - 11 1/4 DEGREE BEND M.J.	1.000	EACH	COC	SP-163	KAREL
	0182	W358.28	16" X 6" REDUCER	1.000	EACH	COC	SP-163	KAREL
	0184	W722.50	ABANDON WATER MAIN	2072.000	EACH			
	0185	W750.10	REMOVE FIRE HYDRANT	1.000	EACH			
	0187	W800.12	REMOVE TEE	2.000	EACH			
	0188	W800.14	REMOVE REDUCER	1.000	EACH			
	0189	W800.21	REMOVE WATER MAIN PIPE	471.000	LF			
	0191	W800.40	REMOVE BEND	2.000	EACH			
GROUP 88	0192	0030.80	MOBILIZATION	1.000	LS			
	0193	7320.55	FIBER OPTIC SIGN	4.000	EACH	COC	SP-232	KAREL
	0194	A001.35	PULL BOX, TYPE FOR-27	3.000	EACH	PMV	SP-249	KAREL
	0195	A001.37	PULL BOX, TYPE T6	5.000	EACH	PMV	SP-249	KAREL
	0196	A001.38	PULL BOX, TYPE T48	7.000	EACH	PMV	SP-249	KAREL
	0197	A010.60	UNDERDECK LUMINAIRE, TYPE UD-100	9.000	EACH	PMV	SP-224	KAREL
	0198	A010.70	LUMINAIRE 80' GREY LED-PC	23.000	EACH	PMV	SG-21	KAREL
	0199	A012.61	COMBINATION MAST ARM SIGNAL AND LIGHTING P	2.000	EACH	COC	SG-21	KAREL
	0200	A012.88	COMBINATION MAST ARM SIGNAL AND LIGHTING P	1.000	EACH	COC	SG-21	KAREL
	0201	A013.15	COMBINATION MAST ARM SIGNAL AND LIGHTING P	1.000	EACH	COC	SG-21	KAREL
			ANCHOR BOLTS			COC	SG-21	KAREL
	0202	A065.47	3/4-INCH PVC CONDUIT	330.000	LF	TOS/PMV	SG-21	KAREL
	0203	A070.07	1 1/4-INCH CONDUIT IN TRENCH	3424.000	LF			
			Buy America Cert-Producer/Supplier			MC	SG-21	KAREL
			Electrical Conduit #			APL	SG-21	KAREL
	0204	A070.10	1 1/2-INCH CONDUIT IN TRENCH	3920.000	LF			
			Buy America Cert-Producer/Supplier			MC	SG-21	KAREL
			Electrical Conduit #			APL	SG-21	KAREL
	0205	A070.14	2-INCH CONDUIT IN TRENCH	182.000	LF			
			Buy America Cert-Producer/Supplier			MC	SG-21	KAREL
			Electrical Conduit #			APL	SG-21	KAREL
	0206	A070.18	3-INCH CONDUIT IN TRENCH	47.000	LF			
			Buy America Cert-Producer/Supplier			MC	SG-21	KAREL
			Electrical Conduit #			APL	SG-21	KAREL

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	0207	A070.22	4-INCH CONDUIT IN TRENCH Electrical Conduit #	325.000	LF	APL	SG-21	KAREL
	0208	A074.12	1 1/2-INCH CONDUIT, JACKED Buy America Cert-Producer/Supplier Electrical Conduit #	74.000	LF	MC APL	SG-21 SG-21	KAREL KAREL
	0209	A074.14	2-INCH CONDUIT, JACKED Buy America Cert-Producer/Supplier Electrical Conduit #	25.000	LF	MC APL	SG-21 SG-21	KAREL KAREL
	0210	A079.43	#8 GROUNDING CONDUCTOR #8 Grounding Conductor	4573.000	LF	TOS	SG-21	KAREL
	0211	A079.44	#10 GROUNDING CONDUCTOR #10 Grounding Conductor	330.000	LF	TOS	SG-21	KAREL
	0212	A080.24	STREET LIGHTING CABLE, NO. 6 USE Street Lighting Cable, No. 6 USE	9146.000	LF	TOS	SG-21	KAREL
	0213	A080.32	STREET LIGHTING CABLE, NO. 8 USE Street Lighting Cable, No. 8 USE	80.000	LF	TOS	SG-21	KAREL
	0214	A080.35	STREET LIGHTING CABLE, NO. 10 USE Street Lighting Cable, No. 10 USE	580.000	LF	TOS	SG-21	KAREL
	0215	A082.34	DIRECT BURIAL CABLE, NO. 6 USE Direct Burial Cable, No. 6 USE	12.000	LF	TOS	SG-21	KAREL
	0216	A082.47	DIRECT BURIAL CABLE, NO. 8 USE Direct Burial Cable, No. 8 USE	6.000	LF	TOS	SG-21	KAREL
	0217	A082.60	DIRECT BURIAL CABLE, NO. 8 USE Direct Burial Cable, No. 8 USE	234.000	LF	TOS	SG-21	KAREL
	0218	A082.90	DIRECT BURIAL CABLE NO. 10 DIRECT BURIAL CABLE NO. 10	117.000	LF	TOS	SG-21	KAREL
	0219	A100.10	ELECTRICAL SERVICE ELECTRICAL SERVICE	3.000	EACH	TOS	SG-21	KAREL
	0220	A190.00	STREET LIGHTING UNIT TYPE SL-A-C-45-12T-5.0 Class R Aggregate Non-Shrink Grout # Portland Cement Concrete Street Lighting Unit Anchor Bolts for SLU & Combination Pole Power Installed Foundations	5.000	EACH	TOS APL TOS COC COC COC	SG-21 SG-21 SG-21 SG-21 SG-21 SG-21	MACKE KRASON KRASON KAREL KAREL KAREL
	0221	A190.01	STREET LIGHTING UNIT TYPE SL-A-45-12T-5.0 Street Lighting Unit Anchor Bolts for SLU & Combination Pole Power Installed Foundations	12.000	EACH	COC COC COC	SG-21 SG-21 SG-21	KAREL KAREL KAREL
	0222	A190.15	STREET LIGHTING UNIT TYPE SL-EM-45-12T-5.0 STREET LIGHTING UNIT TYPE SL-EM-45-12T-5.0	2.000	EACH	COC	SG-21	KAREL
GROUP 8C SI	0223	A630.20	REMOVE PULL BOX	1.000	EACH			
	0224	0030.80	MOBILIZATION	1.000	LS			
	0225	7308.10	REMOVE SIGN	1.000	EACH			
	0226	7320.15	INSTALL TRAFFIC SIGN AND POST	2.000	EACH			
	0227	7320.50	STREET NAME SIGN	8.000	EACH			
	0228	7321.00	TYPE A SIGN	124.250	SF			
	0229	7333.00	SIGN POST	22.000	EACH			
	0230	7390.00	REMOVE SIGN AND POST	16.000	EACH			
GROUP 10 G	0231	0001.08	BARRICADE, TYPE II Barricade Warning Lights Type C # Reflective Sheeting #	18399.000	B DAY	APL TOS	SG-23 SG-23	KAREL DONDINGER
	0232	0001.10	BARRICADE, TYPE III Barricade Warning Lights Type A # Reflective Sheeting #	6297.000	B DAY	APL TOS	SG-23 SG-23	KAREL DONDINGER
	0233	0001.75	TEMPORARY SIGN DAY	180.000	EACH			
	0234	0001.90	SIGN DAY	27671.000	EACH			
	0235	0001.99	CONTRACTOR FURNISHED SIGN DAY	4640.000	EACH			
	0236	0002.30	PAVEMENT MARKING REMOVAL	1180.000	LF			
	0237	0002.32	PAVEMENT MARKING REMOVAL	15.000	SF			
	0238	0002.44	TEMPORARY PAVEMENT MARKING, TYPE PAINT	14540.000	LF			
	0239	0002.53	RAISED PAVEMENT MARKER	15.000	EACH	APL	SG-23	DONDINGER
	0240	0002.85	TUBULAR POST	5.000	EACH	APL	SP-231	KAREL
	0241	0002.97	FLASHING ARROW PANEL	90.000	DAY			
	0242	0003.10	FLAGGING	100.000	DAY			
	0243	0003.50	CONCRETE PROTECTION BARRIER	150.000	LF	COC	NSS422	KRASON
	0244	0030.00	MOBILIZATION	1.000	LS			
	0245	9110.01	RENTAL OF LOADER, FULLY OPERATED	50.000	HOUR			
	0246	9110.03	RENTAL OF DUMP TRUCK, FULLY OPERATED	50.000	HOUR			
	0247	9110.07	RENTAL OF SKID LOADER, FULLY OPERATED	50.000	HOUR			
	0248	9110.27	RENTAL OF CRAWLER MOUNTED HYDRAULIC EXCAV	50.000	HOUR			
	0249	L022.75	TEMPORARY SILT CHECK	800.000	LF			
	0250	L022.90	TEMPORARY SILT FENCE	800.000	LF	APL	NSS809	DONDINGER
	0251	L022.92	TEMPORARY EARTH CHECK	200.000	LF			

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	0252	1032.70	TEMPORARY MULCH	3.000	TON			
	0253	1860.24	STORM EVENT RESTORATION - INCENTIVE	13.000	EACH			
	0254	1860.50	ENVIRONMENTAL COMMITMENTS - CONTRACTOR	1.000	LS			
			PREFORMED EXPANSION JOINT FILLER			APL	SG-20	KRASCH
			welded wire fabric			TOS/COT	SG-16	KAREL
			BUY AMERICA CERTIFICATION (PRIME CONTRACTOR)			CC	SP-87	KAREL